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(U.S.) Geological Survey, Jackson, MS Water Resources Div

1975

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16. Abstracts

Water resources data for the 1974 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs. This report contains discharge records for 66 gaging stations; stage and contents for 4 lakes and reservoirs; water quality for 11 gaging stations. Also included are 11 low-flow and 136 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Mississippi.

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Water Resources Data for Mississippi Water Year 1974

Part 1. Surface Water Records

Part 2. Water Quality Records

UNITED STATES
DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-74-1

REPRODUCED BY
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SPRINGFIELD, VA. 22161

Prepared in cooperation with the Mississippi Board of Water Commissioners and with other State, county, municipal, and Federal agencies

294

CALENDAR FOR WATER YEAR 1974

1973

OCTOBER

S	M	T	W	T	F	S
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NOVEMBER

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1974

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APRIL

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AUGUST

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SEPTEMBER

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1974

Water Resources Data for Mississippi Water Year 1974

Part 1. Surface Water Records

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UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-74-1

Prepared in cooperation with the Mississippi Board of Water Commissioners and with other State, county, municipal, and Federal agencies

IA

Prepared in cooperation with

Mississippi Board of Water Commissioners
Mississippi State Highway Department
Mississippi Research and Development Center
Mississippi Air and Water Pollution Control Commission
Pat Harrison Waterway District
Pearl River Valley Water Supply District
Harrison County Development Commission
Jackson County Port Authority
City of Jackson
Corps of Engineers, U.S. Army
U.S. Soil Conservation Service
Environmental Protection Agency

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
430 Bounds Street
Jackson, Mississippi 39206

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WATER RESOURCES DATA FOR MISSISSIPPI, 1974

Part 1. Surface-Water Records
Part 2. Water-Quality Records

INTRODUCTION

Water resources data for the 1974 water year for Mississippi including records of streamflow or reservoir storage at gaging stations, partial-record stations, and miscellaneous sites, special information on the flood in south-central Mississippi in April, and records of water-quality data on the chemical and physical characteristics of surface water, are given in this report. In Part 1, records are included for 79 gaging stations of which 75 are streamflow discharge stations, and 4 are reservoir or lake stations; also are included records for 11 low-flow partial-record stations, 136 crest-stage partial-record stations, and 149 miscellaneous sites. Locations of continuous-record gaging stations are shown in figure 1 and locations of partial-record stations are shown in figure 2. In Part 2, water-quality data on chemical, physical, and biological characteristics of surface water are included for designated sampling sites at which samples were obtained at predetermined intervals such as daily, weekly, monthly, or less frequently. Records are given for 70 sampling stations of which 32 are continuous-record stations, 26 are partial-record stations, and 12 are miscellaneous sites. Locations of water-quality stations are shown in figure 1. A few pertinent stations (not included above) furnished by bordering States are also included in this report. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of L. E. Carroon, district chief. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." More information is given under the headings "Publications" on page 22.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in collected data through cooperation with the Survey are:

Mississippi Board of Water Commissioners,
Jack W. Pepper, water engineer.

Mississippi State Highway Department,
E. L. Boteler, director.

Mississippi Research and Development Center,
Dr. Kenneth C. Wagner, director.

Mississippi Air and Water Pollution Control Commission,
Glen Wood, Jr., executive director.

Pat Harrison Waterway District,
Pat W. Sellers, executive director.

Pearl River Valley Water Supply District,
R. B. Lampton, president.

Harrison County Development Commission,
Tommy Munroe, president.

Jackson County Port Authority,
Donald Inskip, president.

City of Jackson, Russell C. Davis, mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 48 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture and the Environmental Protection Agency.

The Vicksburg Bridge Commission of Warren County aided in collecting records.

Organizations that supplied data are acknowledged in station descriptions.

DEFINITION OF TERMS

Table for converting English Units to International System (SI) Units is on page 27. Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic metres.

Algae are mostly aquatic single-celled, colonial, or multicelled plants, containing chlorophyll and lacking roots, stems, and leaves.

Bacteria are microscopic unicellular organisms, typically spherical, rod-like, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C + 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal coliform bacteria are bacteria that are present in the intestine or feces of warmblooded animals. They are often used as indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms which produce blue colonies within 24 hours when incubated at 44.5°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterrococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

Benthic organisms (invertebrates) are animals inhabiting the bottom of an aquatic environment. They include a number of different types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are frequently used as indicators of environmental quality because many have restricted mobility during their aquatic life phase, as well as a relatively long lifespan which allows for response to prevailing and changing water-quality conditions. Many benthic organisms inhabit specific types of environments which, if changed, result in changes in the composition of the benthic community.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per litre, used for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as the weight per unit area or volume of habitat.

Ash weight is the weight or amount of residue present after the residue from the dry weight determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash weight values of zooplankton and phytoplankton are expressed in g/m^3 (grams per cubic metre), and periphyton and benthic organisms in g/m^2 (grams per square metre).

Dry weight refers to the weight of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the weight remains unchanged. This weight represents the total organic matter, ash and sediment, in the sample. Dry weight values are expressed in the same units as ash weight.

Organic weight or volatile weight of the living substance is the difference between the dry weight and the ash weight, and represents the actual weight of the living matter. The organic weight is expressed in the same units as for ash and dry weights.

Wet weight is the weight of living matter plus contained water.

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, 646,315 gallons, or 2,447 cubic metres, and represents a runoff of 0.0372 inch from 1 square mile.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Chlorophyll refers to the green pigments of plants. Chlorophyll a and b are the two most common green pigments in plants.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharge during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Micrograms per litre (ug/l, UG/L) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (litre) of water. One thousand micrograms per litre is equivalent to one milligram per litre.

Milligrams per litre (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 1, below.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per litre to milliequivalents per litre

Ion	Multiply by	Ion	Multiply by
Aluminum (Al^{+3})*....	0.11119	Lead (Pb^{+2})*.....	0.00965
Ammonia as NH_4^{+1}....	.05544	Magnesium (Mg^{+2})..	.08226
Bicarbonate (HCO_3^{-1})	.01639	Manganese (Mn^{+2})*.	.03640
Calcium (Ca^{+2}).....	.04990	Nickel (NI^{+2})*....	.03406
Carbonate (CO_3^{-2})...	.03333	Nitrate (NO_3^{-1})...	.01613
Chloride (Cl^{-1}).....	.02821	Nitrite (NO_2^{-1})...	.02174
Chromium (Cr^{+6})*....	.11539	Phosphate (PO_4^{-3}).	.03159
Cobalt (CO^{+2})*.....	.03394	Potassium (K^{+1})...	.02557
Copper (Cu^{+2})*.....	.03148	Sodium (Na^{+1}).....	.04350
Cyanide (CN^{-1}).....	.03844	Sulfate (SO_4^{-2})...	.02082
Fluoride (F^{-1}).....	.05264	Zinc (Zn^{+2})*.....	.03060
Iron (Fe^{+3})*.....	.05372		

*Constituent reported in micrograms per litre; multiply by factor and divide results by 1,000.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Cells/volume refers to the number of cells or any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, usually millilitres (ml) or litres (l).

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square metres (m^2), acres, or hectares. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually millilitres (ml) or litres (l). Numbers of planktonic organisms can be expressed in these terms.

Total organism count is the total number of organisms collected and enumerated in any particular sample.

Partial-record station is a particular site where limited streamflow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Percent composition is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, or volume.

Periphyton is the assemblage of microorganisms attached to and growing upon solid surfaces. While primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton is a useful indicator of water quality.

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per millilitre of sample.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per millilitre of sample.

Substrate is the physical surface upon which an organism lives.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lives.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The use of artificial substrates simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time, flowing in a channel.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

Tons per acre-foot indicates the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per litre by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour day.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

National Stream-Quality Accounting Network (NASQAN) Stations are designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. The objectives of the Accounting Network are to depict areal variability of water-quality conditions nationwide on a year-by-year basis and to detect and assess stream-quality changes over long terms. Stations 02479020, Pascagoula River near Benndale, and 07289000, Mississippi River at Vicksburg, have been designated as NASQAN stations.

National Water-Quality Surveillance System (NWQSS) Stations are located to bracket major population and industrial centers for the purpose of determining the degree of water-quality degradation and the effectiveness of areawide abatement actions. Stations 07287500, Yazoo River at Yazoo City, and Station 07288800, Yazoo River at Redwood, have been designated as NWQSS stations.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of

pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02430000, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (Eastern Gulf of Mexico basins), Part 3 (Ohio River basin), and Part 7 (Lower Mississippi River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

SURFACE WATER RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 5-, 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table

showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The descriptions of the gaging stations give the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "Extremes" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder

(graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed

"MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

Data collected at partial-record stations and miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

Accuracy of data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; to 3 significant figures between 1,000 and 1,000,000 cfs; and to 4 significant figures above 1,000,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Mississippi for the period October 1960 to September 1965 are in Water-Supply Papers 1906 and 1920.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and month-end storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Mississippi are compiled in Water-Supply Papers 1304 and 1311 through September 1950, and in 1724 and 1731 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other data available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging station records are available in computer-usable form and many statistical analyses have been made.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 93 sites during the water year by the following agencies: Records of daily discharge were collected at 9 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 4

sites by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 80 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations.

Water-quality information is presented for chemical and microbiological quality and water temperature. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, sodium-adsorption-ratio, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent periodic observations except for stations where a continuous temperature recorder furnished information from which daily minimums and maximums are obtained.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began reporting data for chemical constituents and concentrations of suspended sediment in milligrams per litre (mg/l) and water temperatures in degrees Celsius (°C). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre. To convert temperatures in degrees Celsius to degrees Fahrenheit, see table 2 below.

Table 2.--Degrees Celsius (°C) to degrees Fahrenheit (°F)
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = 5/9 (°F -32) or °F = 9/5 (°C) +32.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre. (See "Definition of Terms," p. 6, and table for converting English Units to SI Units, p. 27.)

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman. The method for determining elemental constituents by emission spectrographic techniques is described by Barnett and Mallory. Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar, Lamar, Goerlitz, and Law, and Goerlitz and Brown. The collection and analysis of aquatic, biological and microbiological samples are described by Slack and others.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between the reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with noncontinuous-digital monitors, the records consist of daily maximum and minimum values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the U.S. Geological Survey district office at the address given on the back of the title page of this report.

Temperature

Water temperatures are measured at most of the water-quality stations. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly average.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in Mississippi are listed below.

Water years	WSP No.
1963	1947
1964	1954
1965	1961
1966	1991, 1994
1967	2011, 2014
1968	2092

HYDROLOGIC CONDITIONS

Streamflow for the 1974 water year was excessive (in the upper 25 percent of record) throughout the State. The yearly flow has been exceeded only once at several long-term gaging stations and only twice at many more.

Monthly and yearly mean discharge for the 1974 water year at three gaging stations located in the northern, central, and southern parts of Mississippi are shown in figure 3. The medians of the monthly and yearly discharges for the reference period 1931-60 are also shown. The graph clearly shows that flows were well above median except for March, July, and August throughout the State and September in the central part of the State.

Notable rises were experienced throughout the State in January and February. Approximately half of the annual runoff occurred during these two months in the northern and central parts of the State. The largest flood occurred in the southern part of the State in April. A report on this flood is included at the end of Part I of this report.

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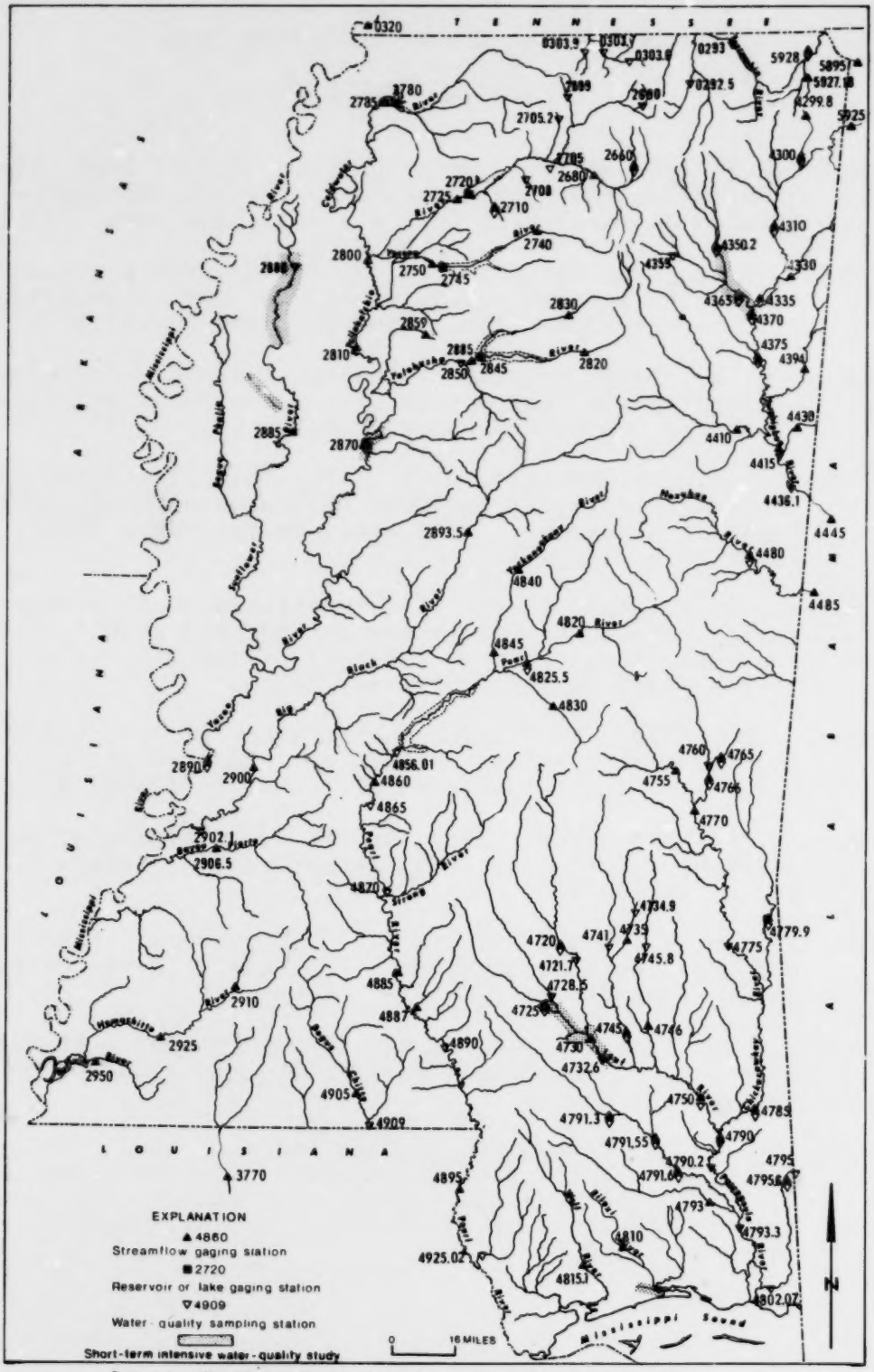


Figure 1 -- Map showing location of gaging and water-quality sampling stations.

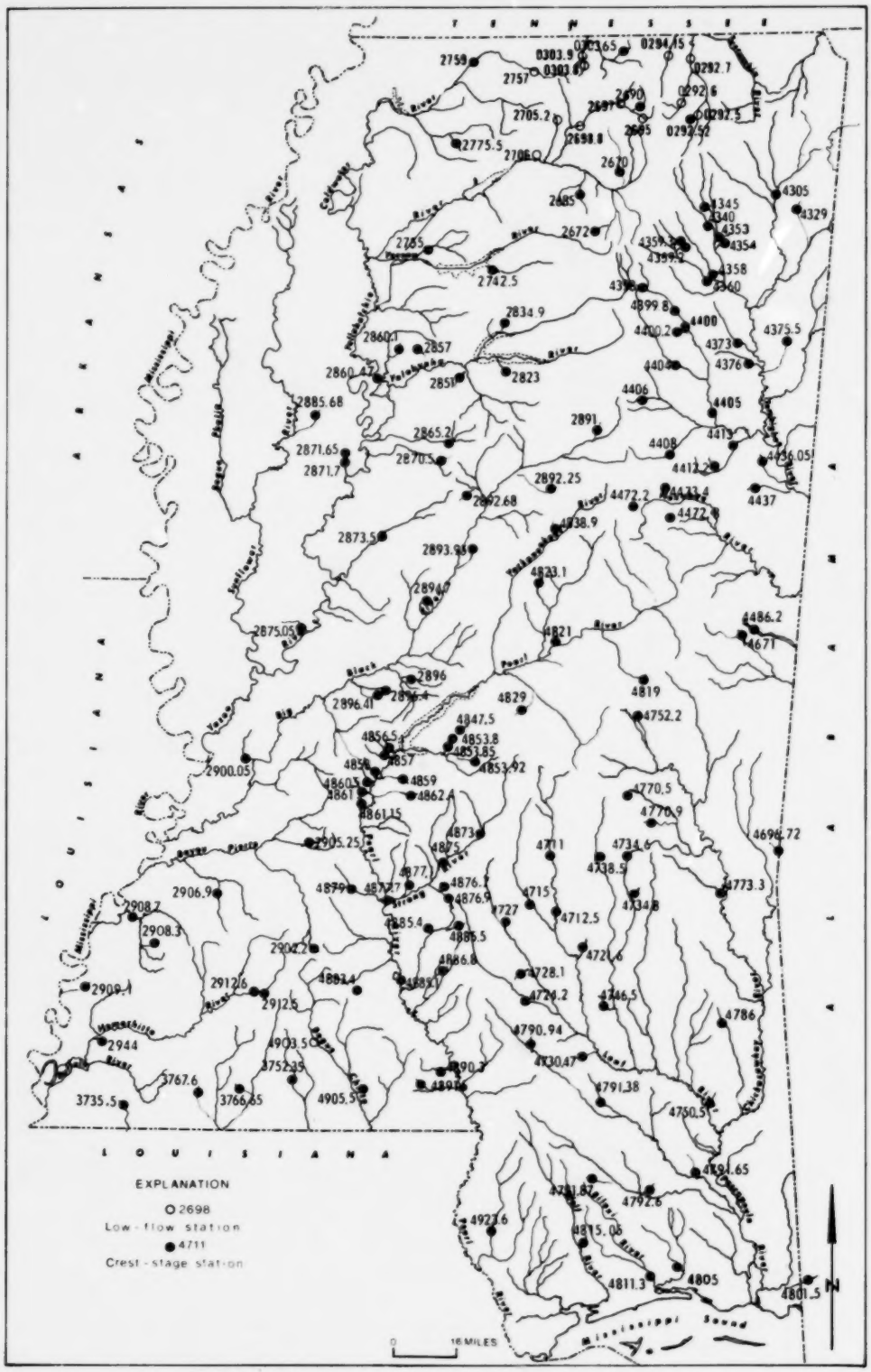
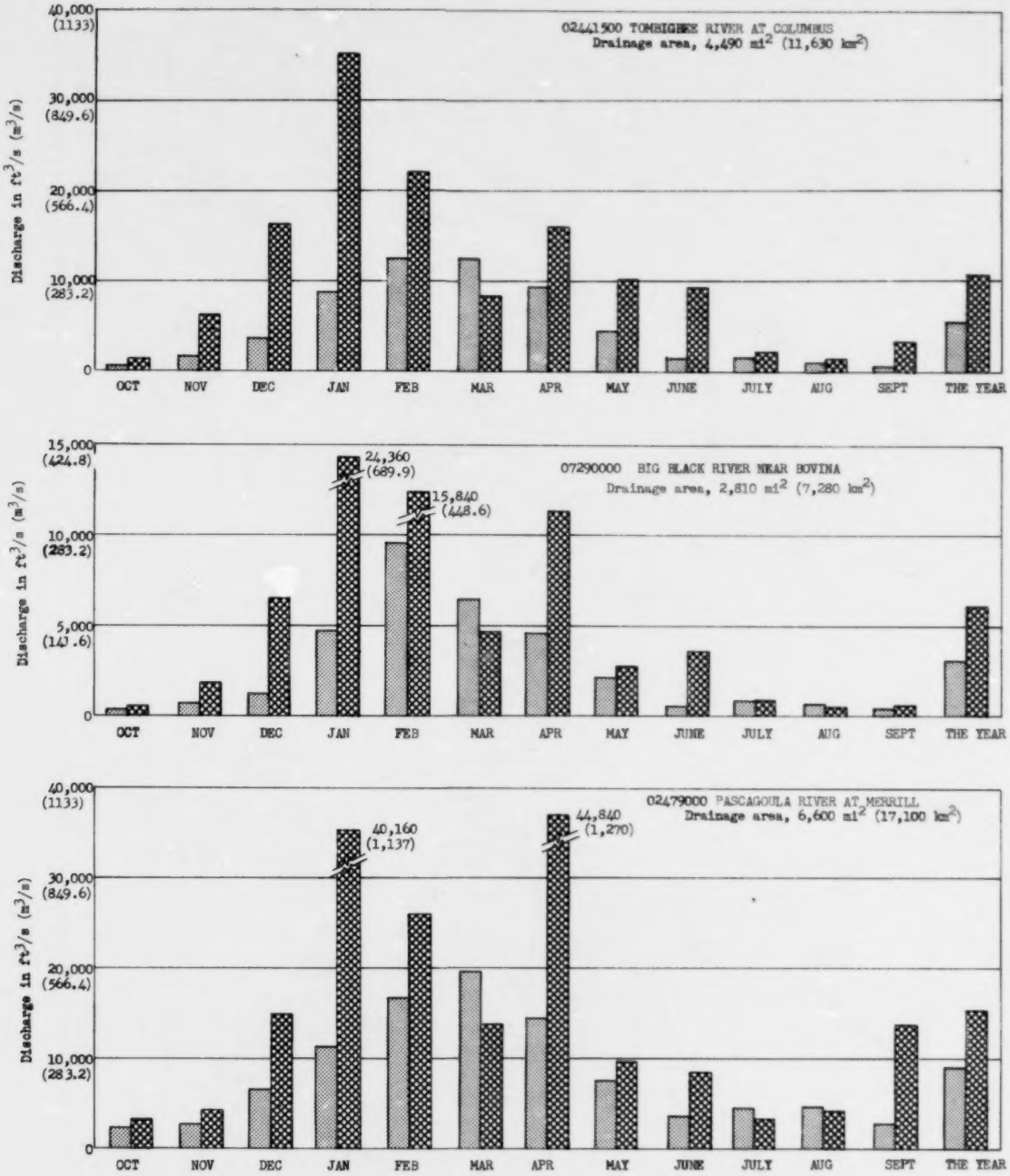


Figure 2.--Map showing location of partial-record stations



Median of monthly and yearly mean discharges for water years 1931-60.

Monthly and yearly mean discharges for 1974 water year.

Figure 3.--Comparison of discharge at three long-term representative gaging stations during 1974 water year with median discharge for period 1931-60.

Table 3.--Factors for converting English units to International System (SI) units

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimeters (mm)
	.0254	meters (m)
feet (ft)	.3048	meters (m)
yards (yd)	.9144	meters (m)
rods	5.0292	meters (m)
miles (mi)	1.609	kilometers (km)
	Area	
acres	4047	square meters (m^2)
	.4047	*hectares (ha)
	.4047	square hectometer (hm^2)
	.004047	square kilometers (km^2)
square miles (mi^2)	2.590	square kilometers (km^2)
	Volume	
gallons (gal)	3.785	**liters (l)
	3.785	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons (10^6 gal)	3785	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	28.32	cubic decimeters (dm^3)
	.02832	cubic meters (m^3)
cfs-day (ft^3/s-day)	2447	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1233	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	28.32	liters per second (l/s)
	28.32	cubic decimeters per second (dm^3/s)
	.02832	cubic meters per second (m^3/s)
gallons per minute (gpm)	.06309	liters per second (l/s)
	.06309	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day (mgd)	43.81	cubic decimeters per second (dm^3/s)
	.04381	cubic meters per second (m^3/s)
	Mass	
ton (short)	.9072	tonne (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit liter is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

PART 1. SURFACE WATER RECORDS

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EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429980 Pollard Mill Branch near Paden, Miss.

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, at culvert on State Highway 30, 0.8 mile (1.3 km) east of Paden.

DRAINAGE AREA.--2.05 mi^2 (5.31 km^2).

PERIOD OF RECORD.--Annual maximums, water years 1967-72. October 1972 to current year.

GAGE.--Water-stage recorder and culvert control. Rain gage located on upstream side of road near culvert entrance prior to July 1, 1974.

EXTREMES.--Water year 1973: Maximum discharge, 233 ft^3/s (6.60 m^3/s) Jan. 11 (gage height, 4.33 ft or 1.320 m), from rating extended above 20 ft^3/s (0.57 m^3/s) on basis of computation of peak flow through culvert; minimum, 3.1 ft^3/s (0.088 m^3/s) June 21, 22, Aug. 6, 19, 20, 21, but may have been less during period of no gage-height record Oct. 1-24; minimum gage height 2.36 ft (0.719 m) Oct. 24-27.

Period of record: Maximum discharge, 445 ft^3/s (12.6 m^3/s(Mar. 16, 1973 (gage height, 5.65 ft or 1.722 m), from rating extended above 20 ft^3/s (0.57 m^3/s) on basis of computation of peak flow through culvert; minimum, 2.6 ft^3/s (0.074 m^3/s) Oct. 13; minimum gage height, 2.36 ft (0.719 m) Oct. 24-27, 1974.

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	5.1	7.0	7.0	8.0	5.5	6.1	4.0	35	4.5	3.5	4.5
2	5.0	4.6	6.0	6.2	18	5.5	7.3	4.5	8.8	4.5	3.5	4.5
3	4.0	4.5	5.5	6.2	11	5.5	7.9	7.0	6.0	4.5	4.0	15
4	3.7	7.9	7.0	15	9.0	5.5	6.4	20	4.7	4.5	6.0	6.0
5	3.5	5.7	6.0	10	8.0	5.5	5.0	10	13	17	3.5	5.0
6	3.5	4.7	5.5	7.0	7.0	6.0	4.5	5.0	6.2	7.0	3.5	5.0
7	3.5	4.7	5.0	6.7	6.6	5.5	4.5	4.5	15	6.0	6.8	5.0
8	4.0	5.3	5.0	6.7	6.3	5.0	5.0	4.5	21	6.0	5.4	6.0
9	4.5	4.8	5.0	26	6.0	5.0	5.0	5.0	8.0	6.0	4.7	10
10	4.0	4.7	5.0	75	5.8	4.5	4.5	6.0	7.0	7.0	4.7	6.0
11	3.8	4.7	5.0	120	5.6	4.5	4.5	5.0	5.4	23	4.1	5.0
12	3.5	4.7	5.0	59	5.4	4.5	8.0	9.0	6.1	10	8.2	5.0
13	3.5	4.7	5.0	53	5.2	4.5	25	5.0	4.7	5.0	8.2	8.0
14	7.0	4.7	5.0	62	35	4.5	10	4.5	4.8	4.5	5.4	10
15	6.0	4.9	5.0	33	21	4.5	6.0	12	9.8	4.0	4.7	7.0
16	5.0	5.0	5.0	14	20	4.5	5.2	25	4.7	3.5	4.1	5.5
17	4.5	4.7	5.0	10	14	4.5	4.9	10	4.1	3.5	4.1	5.0
18	4.2	4.7	5.0	9.0	11	4.5	4.7	6.0	5.4	3.5	4.1	4.5
19	4.0	4.7	5.5	8.0	10	4.9	4.5	5.0	4.1	4.0	3.6	4.5
20	3.8	4.7	13	21	8.0	8.4	4.5	4.5	4.1	5.0	3.6	4.5
21	3.7	35	10	14	7.0	32	4.5	4.2	3.6	4.0	5.4	5.0
22	3.7	15	7.0	10	20	8.3	4.5	8.6	4.2	4.0	5.4	4.5
23	3.7	7.0	6.0	10	10	6.9	5.4	6.1	4.7	5.0	5.0	4.0
24	3.7	5.6	6.0	50	8.0	5.4	4.5	4.1	4.7	6.0	4.7	4.0
25	3.7	5.6	8.0	28	7.0	5.8	4.4	4.1	4.8	4.5	4.0	5.0
26	3.8	100	30	20	6.2	5.5	4.2	6.7	4.7	4.5	4.0	6.1
27	4.0	25	15	15	5.5	5.5	4.0	4.7	4.1	5.0	4.0	5.4
28	9.5	15	10	35	5.5	5.5	4.0	4.1	4.1	4.0	4.0	5.4
29	4.6	12	8.0	21	------	8.3	4.0	4.1	4.4	3.5	5.0	4.7
30	4.3	10	7.0	14	------	5.2	4.0	4.1	4.5	3.5	7.0	4.7
31	11	------	10	10	------	4.9	------	6.1	------	3.5	5.0	------
TOTAL	140.7	329.7	232.5	781.8	290.1	196.1	177.0	213.4	221.7	180.5	149.2	174.8
MEAN	4.54	11.0	7.50	25.2	10.4	6.33	5.90	6.88	7.39	5.82	4.81	5.83
MAX	11	100	30	120	35	32	25	25	35	23	8.2	15
MIN	3.5	4.5	5.0	6.2	5.2	4.5	4.0	4.0	3.6	3.5	3.5	4.0
CFSM	2.21	5.37	3.66	12.3	5.07	3.09	2.88	3.36	3.60	2.84	2.35	2.84
IN.	2.56	5.98	4.22	14.19	5.26	3.56	3.21	3.87	4.02	3.28	2.71	3.17

CAL YR 1973 TOTAL 3,661.5 MEAN 10.0 MAX 188 MIN 3.5 CFSM 4.88 IN 66.44
WTR YR 1974 TOTAL 3,087.5 MEAN 8.46 MAX 120 MIN 3.5 CFSM 4.13 IN 56.03

02430000 Mackeys Creek near Dennis, Miss.

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw meridian, Tishomingo County, on left bank at downstream side of old crossing 0.1 mile (0.2 km) downstream from bridge on State Highway 4 at Narrows dam site, 6 miles (10 km) southwest of Dennis, and 10 miles (16 km) upstream from confluence with Big Brown Creek.

DRAINAGE AREA.--66.8 mi^2 (173 km^2).

PERIOD OF RECORD.--October 1937 to current year. Prior to January 1944, monthly discharge only, published in WSP 1304. Prior to October 1966, published as Mackys Creek near Dennis.

GAGE.--Water-stage recorder. Datum of gage is 333.47 ft (101.642 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--37 years, 104 ft^3/s (2.945 m^3/s), 21.14 in/yr (537 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,610 ft^3/s (102 m^3/s) Jan. 11 (gage height, 18.77 ft or 5.721 m); minimum, 34 ft^3/s (0.96 m^3/s) Oct. 13 (gage height, 2.09 ft or 0.637 m).
Period of record: Maximum discharge, 16,300 ft^3/s (462 m^3/s) Mar. 21, 1955 (gage height, 28.44 ft or 8.669 m), from rating curve extended above 6,700 ft^3/s (190 m^3/s) on basis of slope-area measurement of peak flow; minimum since Jan. 1, 1944, 8.2 ft^3/s (0.23 m^3/s) Sept. 3, 4, 5, 1954.

REMARKS.--Records good. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1939-40(M), 1944-46(M), 1948, 1949(P), 1950(M), 1951. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	152	150	165	183	140	139	84	306	51	39	69
2	76	90	129	126	441	134	287	99	402	51	41	55
3	59	78	113	299	406	126	159	119	151	56	54	126
4	50	63	150	597	222	126	255	410	115	57	79	92
5	44	112	146	271	181	128	154	274	129	146	73	73
6	44	94	105	195	172	136	125	150	180	163	51	59
7	46	73	90	213	174	122	118	118	400	53	51	58
8	74	94	85	156	152	114	135	107	790	77	114	79
9	68	104	81	393	140	96	124	132	280	117	73	114
10	47	76	79	742	131	96	112	134	180	80	63	85
11	44	68	74	2,930	124	110	107	119	145	173	63	59
12	38	62	73	1,160	118	120	214	198	120	349	65	61
13	35	61	75	371	115	114	504	128	106	98	133	59
14	132	60	79	344	221	104	237	102	100	73	108	73
15	116	60	74	463	714	98	162	258	94	65	80	86
16	73	81	69	312	489	110	137	509	104	61	72	72
17	57	73	63	258	409	110	124	204	89	55	68	63
18	49	65	62	190	243	102	117	141	88	48	63	57
19	46	60	63	148	262	110	113	117	95	44	59	55
20	46	60	187	460	200	156	108	103	85	49	57	54
21	45	316	139	310	170	684	104	95	76	73	57	52
22	44	229	93	218	439	417	121	115	70	63	59	52
23	42	106	87	198	259	196	130	285	69	80	59	50
24	49	124	88	250	195	154	107	132	68	98	56	49
25	40	124	173	800	160	137	98	102	64	73	55	56
26	38	124	363	640	144	128	95	118	58	72	55	76
27	39	780	337	628	146	123	93	131	55	82	56	70
28	110	1,530	172	660	142	123	90	102	54	68	55	56
29	114	446	143	704	------	232	87	90	53	59	60	60
30	68	191	126	310	------	159	84	86	52	51	76	54
31	83	------	197	228	------	124	------	82	------	43	76	------
TOTAL	1,869	5,556	3,865	14,697	6,752	4,829	4,441	4,844	4,578	2,658	2,070	2,094
MEAN	60.3	185	125	474	241	156	148	156	153	85.7	66.8	69.5
MAX	132	1,530	363	2,930	714	684	504	509	790	349	133	126
MIN	35	60	62	126	115	96	84	82	52	43	39	49
CFSM	.90	2.77	1.87	7.10	3.61	2.34	2.22	2.34	2.29	1.28	1.00	1.04
IN.	1.04	3.09	2.15	8.18	3.76	2.69	2.47	2.70	2.55	1.48	1.15	1.16

CAL YR 1973 TOTAL 63,105 MEAN 173 MAX 5,480 MIN 35 CFSM 2.59 IN 35.14
WTR YR 1974 TOTAL 58,243 MEAN 160 MAX 2,930 MIN 35 CFSM 2.40 IN 32.43

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-28	0915	13.65	1,770	01-11	1330	18.77	3,610

02431000 Tombigbee River near Fulton, Miss.

LOCATION.--Lat 34°15'55", long 88°26'42", in SE¼ sec.27, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft (300 m) downstream from Twentymile-Fulton Canal, 2.2 miles (3.5 km) west of Fulton, 6.2 miles (10.0 km) upstream from Mantachie Creek Canal, 13.5 miles (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi^2 (1,585 km^2).

PERIOD OF RECORD.--August 1928 to current year. Gage-height records collected at site 800 ft (240 m) upstream 1909-12 are contained in reports of National Weather Service. Prior to October 1966, published as East Fork Tombigbee River near Fulton.

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft (74.045 m) above mean sea level. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft (60 m) upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

AVERAGE DISCHARGE.--46 years, 925 ft^3/s (26.20 m^3/s), 20.53 in/yr (521 mm/yr).

EXTREMES.--Current year: Maximum discharge, 23,500 ft^3/s (666 m^3/s) Jan. 11 (gage height, 19.10 ft or 5.822 m); minimum discharge, 106 ft^3/s (3.00 m^3/s) Oct. 1 (gage height, 5.66 ft or 1.725 m).
Period of record: Maximum discharge, 82,200 ft^3/s (2,330 m^3/s) Mar. 22, 1955 (gage height, 25.75 ft or 7.849 m), from rating curve extended above 48,000 ft^3/s (1,360 m^3/s) on basis of estimate of flow made by indirect methods and by logarithmic plotting; minimum observed, 11 ft^3/s (0.31 m^3/s) Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 ft^3/s (0.34 m^3/s) Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft (0.265 m) Aug. 12, 1930.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1032: 1944. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	460	3,530	2,020	2,560	1,010	1,140	372	1,240	177	193	194
2	118	362	2,400	1,680	2,550	963	2,470	394	4,960	155	181	207
3	155	300	1,580	2,030	5,010	923	3,260	441	3,820	157	201	457
4	142	260	1,290	6,830	4,100	869	2,940	534	2,740	153	205	420
5	126	321	1,550	5,250	3,060	814	2,100	926	1,930	204	195	349
6	115	331	1,290	3,760	2,390	792	1,450	931	1,240	215	189	285
7	111	283	1,040	3,050	2,050	771	1,120	953	965	287	181	254
8	459	313	869	2,510	1,720	736	1,040	886	1,680	393	213	313
9	1,900	403	733	2,660	1,420	704	1,000	878	2,740	691	227	492
10	1,550	328	634	5,660	1,220	670	867	797	2,840	915	353	451
11	535	278	554	19,200	1,090	646	778	706	2,940	788	289	359
12	251	248	506	18,800	999	738	993	1,340	1,930	1,150	468	297
13	185	233	489	9,590	950	810	2,940	1,350	1,240	1,150	882	821
14	227	222	549	4,690	941	722	3,580	986	896	881	888	711
15	377	219	476	4,560	2,450	680	2,990	1,420	670	700	539	554
16	296	228	444	3,700	3,500	648	2,260	5,250	583	476	353	422
17	240	259	416	3,100	3,990	635	1,500	4,550	529	329	284	327
18	192	248	393	2,560	3,100	597	1,080	3,290	451	254	237	273
19	171	232	377	2,100	2,520	582	994	2,350	523	214	202	236
20	158	223	760	1,950	2,370	758	771	1,470	501	199	181	210
21	149	1,110	1,070	3,060	1,910	2,890	677	997	427	186	163	194
22	143	2,260	953	3,200	2,690	5,200	790	840	365	200	171	189
23	136	1,790	782	3,220	2,870	3,920	925	2,690	326	390	164	182
24	130	1,660	770	4,600	2,500	2,850	789	2,970	299	609	157	159
25	129	1,710	2,450	9,030	2,050	1,990	574	2,210	272	472	147	179
26	131	1,730	5,450	5,830	1,500	1,390	503	1,620	247	420	137	215
27	123	3,530	5,830	4,600	1,180	1,110	544	1,600	228	576	129	258
28	152	16,500	4,320	4,170	1,060	992	484	1,490	212	477	125	292
29	239	11,100	3,100	5,500	------	1,140	448	1,200	202	344	132	276
30	240	6,160	2,350	4,480	------	1,390	398	956	189	270	166	224
31	233	------	1,880	3,350	------	1,260	------	725	------	223	182	------
TOTAL	9,130	53,301	48,735	156,750	63,950	39,200	41,205	47,232	35,886	13,655	9,134	9,810
MEAN	295	1,777	1,572	5,056	2,284	1,265	1,374	1,524	1,230	440	262	327
MAX	1,900	16,500	5,830	19,200	5,010	5,200	3,580	5,250	4,960	1,150	888	821
MIN	107	219	377	1,680	941	582	398	372	189	153	125	159
CFSM	.48	2.90	2.57	8.26	3.73	2.07	2.25	2.49	2.01	.72	.43	.53
IN.	.55	3.24	2.96	9.53	3.89	2.38	2.50	2.87	2.24	.83	.49	.50

CAL YR 1973 TOTAL 623,034 MEAN 1,707 MAX 42,800 MIN 84 CFSM 2.79 IN 37.87
WTR YR 1974 TOTAL 527,989 MEAN 1,447 MAX 19,200 MIN 107 CFSM 2.36 IN 32.09

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-28	1300	18.50	18,700	01-25	0800	17.45	10,500
01-11	1900	19.10	23,500				

02433000 Bull Mountain Creek near Smithville, Miss.

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ sec.30, T.11 S., R.9 E., Chickasaw meridian, Itawamba County, on right bank at downstream side of old crossing 200 ft (60 m) upstream from bridge on State Highway 25, 0.8 mile (1.3 km) upstream from Mississippian Railway bridge, 1.1 miles (1.8 km) north of Smithville, and 3.5 miles (5.6 km) upstream from mouth.

DRAINAGE AREA.--336 mi^2 (870 km^2).

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft (71.570 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 552 ft^3/s (15.63 m^3/s), 22.31 in/yr (567 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,820 ft^3/s (193 m^3/s) Jan. 12 (gage height, 12.53 ft or 3.819 m); minimum discharge, 60 ft^3/s (1.70 m^3/s) part of each day Oct. 25-28; minimum gage height, 2.89 ft (0.881 m) Aug. 28.

Period of record: Maximum discharge, 44,400 ft^3/s (1,260 m^3/s) Mar. 16, 1973 (gage height, 18.26 ft or 5.566 m), minimum, 19 ft^3/s (0.54 m^3/s) Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), Sept. 10, 13, 14, 15, 1954.

Flood in December 1926 reached a stage of 15.7 ft (4.785 m) from floodmark (discharge, about 29,000 ft^3/s or 821 m^3/s), from information by Corps of Engineers.

REMARKS.--Records good except those for periods of no gage height, which are fair.

REVISIONS (WATER YEARS).--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	250	3,000	1,080	1,650	757	1,100	520	700	150	123	236
2	101	230	2,000	1,050	1,430	739	1,000	500	3,500	140	123	205
3	82	180	1,300	967	2,530	679	1,500	480	3,000	140	122	407
4	74	150	900	1,230	3,150	634	2,500	544	2,000	130	117	478
5	71	190	1,000	1,410	2,650	592	2,000	476	1,300	140	117	276
6	69	180	900	1,530	1,980	561	1,700	700	900	300	114	201
7	73	160	700	1,370	1,590	560	1,400	544	800	400	104	146
8	123	190	600	1,250	1,440	520	1,100	450	1,200	350	104	237
9	93	230	500	1,250	1,250	440	1,000	525	2,000	400	110	558
10	116	200	450	1,400	1,080	450	900	540	2,300	400	111	597
11	94	170	400	2,650	934	430	800	800	2,000	300	203	416
12	78	140	370	5,710	844	500	900	440	1,500	250	185	483
13	71	130	341	4,450	775	600	2,000	700	1,000	234	352	345
14	83	120	323	2,820	730	500	2,500	600	700	203	282	359
15	97	120	304	2,400	1,060	450	2,000	500	500	164	209	341
16	108	130	284	2,110	1,380	430	1,500	1,000	400	143	154	334
17	94	160	270	2,100	1,400	410	1,000	3,900	350	134	137	252
18	81	140	254	1,750	1,430	400	800	3,200	300	125	134	207
19	73	130	254	1,300	1,310	400	700	2,200	350	119	135	192
20	70	120	419	1,220	1,180	500	660	1,260	300	116	117	167
21	69	800	634	1,440	1,130	1,100	700	1,030	250	126	117	153
22	67	1,500	558	1,620	1,550	1,000	900	805	250	147	107	153
23	65	1,300	429	1,740	1,590	1,500	1,200	1,150	300	139	134	139
24	63	1,000	365	1,810	1,810	1,600	980	1,170	300	154	130	130
25	61	900	608	4,120	1,440	1,230	800	1,000	250	201	107	129
26	60	1,000	1,750	4,560	1,030	900	740	900	220	174	98	144
27	60	2,000	2,300	2,900	883	700	700	900	200	250	93	185
28	70	4,000	3,140	2,540	802	600	660	400	180	312	89	143
29	81	5,000	2,540	2,550	------	900	620	700	170	195	99	175
30	123	4,000	1,610	2,500	------	1,400	560	600	160	154	185	154
31	120	------	1,070	2,270	------	1,300	------	600	------	134	254	------
TOTAL	2,590	24,820	29,707	67,267	40,478	22,792	34,920	30,253	27,380	6,325	4,467	8,053
MEAN	83.5	827	958	2,170	1,446	735	1,164	976	913	204	144	268
MAX	123	5,000	3,140	5,710	3,150	1,600	2,500	3,900	3,500	400	352	597
MIN	60	120	254	967	775	430	560	450	160	116	89	129
CFSM	.25	2.46	2.85	6.46	4.30	2.19	3.46	2.90	2.72	.61	.43	.80
IN.	.29	2.75	3.29	7.45	4.48	2.52	3.87	3.35	3.03	.70	.49	.89

CAL YR 1973 TOTAL 313,720 MEAN 860 MAX 25,900 MIN 60 CFSM 2.56 IN 34.73
WTR YR 1974 TOTAL 299,052 MEAN 819 MAX 5,710 MIN 60 CFSM 2.44 IN 33.11

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-12	1800	12.53	6,820	01-25	2130	12.34	6,220

NOTE: No gage-height record Nov. 1 to Dec. 12; Mar. 7 to July 12.

02433500 Tombigbee River at Bigbee, Miss.

LOCATION.--Lat 34°00'40", long 88°30'50", in SW¼NE¼ sec.25, T.12 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on State Highway 6, 0.2 mile (0.3 km) upstream from St. Louis-San Francisco Railway bridge, 0.5 mile (0.8 km) southeast of Bigbee, 2 miles (3 km) northwest of Amory, and 3.7 miles (6.0 km) upstream from Town Creek.

DRAINAGE AREA.--1,226 mi^2 (3,175 km^2).

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. Monthly discharge only for some periods, published in WSP 1304. Prior to October 1966, published as East Fork Tombigbee River at Bigbee.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft (57.912 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (sta 02437000), 4.0 miles (6.4 km) downstream, used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--21 years (1944-54, 1963-74), 2,062 ft^3/s (58.40 m^3/s), 32.60 in/yr (828 mm/yr).

EXTREMES.--Current year: Maximum discharge, 31,200 ft^3/s (884 m^3/s) Jan. 13 (gage height, 20.64 ft or 6.291 m); minimum, 262 ft^3/s (7.42 m^3/s) Oct. 28; minimum gage height, 2.26 ft (0.689 m) Aug. 28.
Period of record: Maximum discharge, 112,000 ft^3/s (3,170 m^3/s) Mar. 17, 1973 (gage height, 27.64 ft or 8.425 m); minimum, 29 ft^3/s (0.82 m^3/s).

REMARKS.--Records good.

COOPERATION.--Gage-height record and 9 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	461	13,100	4,530	7,850	2,630	2,660	1,140	2,500	547	511	845
2	308	612	8,200	3,990	7,660	2,480	3,050	1,140	3,140	515	468	765
3	304	565	5,650	3,830	8,730	2,230	3,850	1,230	3,530	487	487	2,200
4	318	486	4,230	4,170	9,830	2,090	4,490	1,320	5,060	468	495	1,560
5	308	483	3,870	5,430	9,680	1,970	5,330	1,550	5,370	515	472	1,120
6	295	524	3,190	8,470	8,150	1,870	5,160	1,870	5,020	671	450	845
7	288	524	2,420	8,100	6,720	1,800	4,440	1,770	4,080	690	440	712
8	419	1,060	2,290	6,620	5,660	1,720	3,950	1,670	4,560	1,140	440	810
9	784	1,470	1,920	5,740	4,760	1,700	3,380	1,660	4,390	1,020	475	1,280
10	1,250	1,150	1,630	5,620	3,800	1,580	2,710	1,840	4,400	1,200	515	1,490
11	1,300	890	1,420	9,450	3,170	1,550	2,290	1,880	4,970	1,380	685	1,270
12	784	726	1,280	20,400	2,750	1,690	2,480	2,660	4,520	1,320	905	1,170
13	449	622	1,230	29,700	2,530	1,790	5,320	2,750	4,160	1,460	1,840	1,140
14	416	604	1,190	21,000	2,480	1,730	5,970	2,850	3,400	1,550	1,700	1,410
15	502	579	1,190	13,000	2,550	1,570	6,160	2,970	2,600	1,370	1,430	1,410
16	551	539	1,120	9,400	3,420	1,510	6,550	4,960	1,850	1,120	1,000	1,180
17	480	531	1,060	8,160	4,010	1,500	5,390	6,120	1,490	835	745	960
18	413	543	1,000	7,060	5,760	1,460	3,980	9,620	1,340	658	613	775
19	361	563	980	6,040	6,550	1,410	3,080	8,320	1,300	559	539	667
20	334	539	1,440	5,160	5,900	2,140	2,390	5,990	1,340	503	475	591
21	318	1,640	1,990	5,480	4,940	3,790	1,940	4,490	1,220	472	426	531
22	308	2,340	2,030	5,410	5,840	4,740	1,960	3,410	1,080	483	412	497
23	295	2,430	1,750	6,260	5,500	6,330	2,690	3,970	960	567	402	461
24	295	2,290	1,580	7,730	5,530	7,810	2,670	3,760	885	855	422	433
25	290	2,290	2,270	10,900	5,330	6,490	2,300	3,580	830	1,040	367	433
26	268	2,420	4,970	15,300	4,370	4,790	1,850	3,850	760	905	343	468
27	264	4,680	6,240	14,600	3,620	3,630	1,620	3,860	694	965	323	559
28	278	8,410	9,120	11,200	2,990	2,880	1,460	3,410	654	1,180	307	631
29	327	10,900	9,520	10,100	------	2,680	1,330	2,880	613	950	318	631
30	390	15,100	7,860	10,200	------	2,990	1,240	2,580	579	716	587	587
31	434	------	5,740	9,380	------	2,970	------	2,180	------	595	935	------
TOTAL	13,441	67,171	111,680	292,470	150,080	85,530	101,690	101,280	77,295	26,736	19,527	27,421
MEAN	440	2,239	3,603	9,435	5,360	2,759	3,390	3,267	2,577	862	630	914
MAX	1,300	15,100	13,100	29,700	9,830	7,810	6,550	9,620	5,370	1,550	1,840	2,200
MIN	264	461	980	3,830	2,480	1,410	1,240	1,140	579	468	307	433
CFSM	.36	1.83	2.94	7.70	4.37	2.25	2.77	2.66	2.10	.70	.51	.75
IN.	.41	2.04	3.39	8.87	4.55	2.60	3.09	3.07	2.35	.81	.59	.83

CAL YR 1973 TOTAL 1,212,498 MEAN 3.322 MAX 102,000 MIN 230 CFSM 2.71 IN 36.79
WTR YR 1974 TOTAL 1,074,521 MEAN 2.944 MAX 29,700 MIN 264 CFSM 2.40 IN 32.60

PEAK DISCHARGE (BASE, 12,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-30	1400	17.32	16,900	01-26	1900	17.55	17,400
01-13	0900	20.64	31,200				

02435020 Town Creek at Eason Boulevard at Tupelo, Miss.

LOCATION.--Lat 34°14'08", long 88°41'43", on line between secs.5 and 8, T.10 S., R.6 E., Chickasaw meridian, Lee County, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft (120 m) upstream from Kings Creek, 0.2 mile (0.3 km) downstream from Mud Creek; 0.4 mile (0.6 km) downstream from St. Louis and San Francisco Railroad, and 2.0 miles (3.2 km) upstream from Tulip Creek.

DRAINAGE AREA.--230 mi^2 (596 km^2), includes that of Kings Creek.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft (70.104 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 15,100 ft^3/s (428 m^3/s) Jan. 11 (gage height, 25.21 ft or 7.684 m); minimum, 3.0 ft^3/s (0.085 m^3/s) Oct. 1 (gage height, 2.74 ft or 0.835 m).
Period of record: Maximum discharge, 22,400 ft^3/s (634 m^3/s) Mar. 16, 1973 (gage height, 27.05 ft or 8.245 m); minimum, 2.3 ft^3/s (0.065 m^3/s) Oct. 4-5, 1971 (gage height, 2.72 ft or 0.829 m).

REMARKS.--Records fair. Discharge includes flow of Kings Creek. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	153	540	428	407	175	581	30	5,290	25	15	27
2	4.0	39	417	274	5,330	155	9,110	90	2,570	22	15	279
3	4.0	20	310	5,930	5,010	155	1,040	90	593	46	51	432
4	4.0	28	1,060	3,590	569	139	510	197	495	48	27	43
5	4.5	58	523	1,040	463	129	325	381	523	48	18	26
6	4.0	43	251	835	497	137	245	157	451	58	13	20
7	4.5	23	172	1,040	435	125	207	100	504	54	11	16
8	1,380	175	135	477	323	115	357	90	3,000	173	13	105
9	1,350	124	119	3,540	262	112	239	406	781	528	15	150
10	131	40	105	5,410	230	110	175	155	1,060	92	19	47
11	50	25	92	14,300	203	115	145	244	513	55	15	29
12	35	20	53	6,500	182	191	1,070	1,400	585	43	30	24
13	26	19	82	1,070	158	140	4,100	290	482	34	300	154
14	54	18	75	2,040	495	110	523	151	309	30	150	279
15	48	17	69	2,870	2,190	100	383	5,130	304	28	100	158
16	28	15	64	1,040	2,170	95	285	11,300	303	30	77	42
17	20	15	59	755	548	92	224	1,740	222	33	55	26
18	17	15	55	547	448	90	185	539	260	35	39	20
19	15	15	55	473	753	140	159	403	220	38	29	17
20	17	74	473	1,900	424	359	132	237	160	41	23	15
21	17	1,950	148	1,640	501	5,910	114	356	120	44	19	13
22	15	394	113	532	1,370	1,720	342	2,810	90	51	15	12
23	16	275	102	2,400	447	503	313	10,900	70	141	14	12
24	12	520	493	7,340	334	442	133	1,450	60	144	13	11
25	11	1,010	10,400	7,950	254	357	120	438	50	34	11	17
26	10	493	9,340	1,610	215	245	105	1,200	39	179	10	30
27	10	8,350	2,400	1,210	147	230	100	1,420	35	257	9.2	32
28	25	12,800	713	5,130	182	225	93	411	31	78	9.9	43
29	33	3,050	304	2,300	------	1,050	83	236	33	35	25	28
30	17	595	370	546	------	455	94	224	25	25	19	20
31	107	------	755	475	------	299	------	177	------	19	31	------
TOTAL	3,473.5	31,197	30,140	92,083	25,512	15,911	21,722	44,072	19,489	2,499	1,194.1	2,126
MEAN	112	1,040	972	2,970	947	497	724	1,422	550	80.6	38.5	70.9
MAX	1,380	12,800	10,400	14,300	5,010	5,910	9,110	11,300	5,290	528	300	432
MIN	3.5	15	55	274	158	90	84	90	25	19	9.2	11
CFSM	.49	4.52	4.23	12.9	4.12	2.15	3.15	6.18	2.83	.35	.17	.31
IN.	.55	5.05	4.87	14.89	4.29	2.49	3.51	7.13	3.15	.40	.19	.34

CAL YR 1973 TOTAL 280,457.5 MEAN 769 MAX 20,700 MIN 2.3 CFSM 3.34 IN 45.43
WTR YR 1974 TOTAL 289,917.5 MEAN 794 MAX 14,300 MIN 3.5 CFSM 3.45 IN 45.89

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-28	0530	24.70	13,800	02-02	2200	23.62	11,600
12-25	1515	24.03	12,500	03-21	1215	22.82	10,200
01-03	2315	24.06	12,500	04-02	0800	23.65	11,700
01-11	1245	25.21	15,100	05-16	0200	24.45	13,300
01-24	2245	23.86	12,100	05-23	0530	24.21	12,800
01-28	1500	22.74	10,000	06-01	1700	22.11	8,980

02436500 Town Creek near Nettleton, Miss.

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ sec.12, T.12 S., R.6 E., Chickasaw meridian, Monroe County, on right bank at downstream side of bridge on U.S. Highway 45, 1.9 miles (3.1 km) downstream from Tallabinnela Creek, 2 miles (3 km) downstream from Tubbalubba Creek, and 2.1 miles (3.4 km) south of Nettleton.

DRAINAGE AREA.--617 mi^2 (1,598 km^2).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft (59.134 m) above mean sea level (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft (3.048 m) higher.

AVERAGE DISCHARGE.--35 years, 920 ft^3/s (26.05 m^3/s), 20.25 in/yr (514 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,800 ft^3/s (561 m^3/s) Jan. 11 (gage height, 27.51 ft or 8.385 m); minimum, 20 ft^3/s (0.57 m^3/s) Oct. 7 (gage height, 5.22 ft or 1.591 m).
Period of record: Maximum discharge, 151,000 ft^3/s (4,280 m^3/s) Mar. 22, 1955 (gage height, 33.88 ft or 10.327 m); minimum, 0.8 ft^3/s (0.023 m^3/s) Sept. 14, 15, 1942.
Maximum stage known since at least 1892, that of Mar. 22, 1955. Flood of Dec. 24, 1926, reached a stage of 32.5 ft (9.91 m), present datum, from floodmark.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1948.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	317	1,530	1,180	1,340	559	741	233	4,220	97	86	445
2	29	132	1,030	761	8,510	521	6,920	245	3,610	90	78	675
3	30	83	751	5,640	9,050	495	3,020	210	1,280	91	95	3,050
4	26	69	1,940	8,030	2,930	470	1,580	350	880	97	91	496
5	25	224	1,470	3,230	1,610	450	894	707	1,950	138	78	233
6	23	134	690	2,240	1,680	470	628	364	1,330	148	66	151
7	22	90	498	2,950	1,680	440	508	255	862	200	63	118
8	335	633	402	1,400	1,140	410	1,560	212	4,830	409	66	707
9	1,740	425	347	3,900	877	380	718	551	1,870	498	62	696
10	226	157	305	7,060	751	370	436	320	1,420	219	60	295
11	114	110	268	17,100	565	400	370	406	1,180	134	60	154
12	84	90	246	12,000	601	502	2,020	3,000	1,590	118	148	126
13	69	83	246	4,020	566	500	7,100	765	1,500	99	1,020	541
14	122	75	226	4,390	880	450	1,990	403	732	83	445	382
15	144	70	205	5,910	3,140	380	1,020	7,290	555	70	176	445
16	90	67	190	2,750	4,250	360	725	11,000	653	64	122	166
17	69	64	179	1,880	1,970	350	544	5,040	394	66	128	128
18	56	59	175	1,500	1,160	350	454	1,780	614	62	97	114
19	51	59	173	1,220	2,130	400	400	1,210	833	86	83	108
20	46	67	1,190	4,160	1,260	1,070	350	840	421	110	73	102
21	42	3,560	694	4,410	1,620	6,060	301	855	331	78	64	99
22	38	1,080	341	1,540	4,600	3,410	1,940	3,320	260	69	59	93
23	39	412	287	5,400	1,330	1,260	1,540	10,500	220	565	56	90
24	35	1,220	594	12,000	935	928	599	4,500	190	650	54	88
25	35	1,500	9,760	11,500	724	754	400	1,460	170	202	52	86
26	34	1,450	11,200	4,850	614	652	331	1,970	150	296	50	91
27	33	11,400	5,890	3,490	575	566	280	2,760	140	891	49	104
28	64	13,900	2,120	9,220	550	534	248	1,080	126	265	48	110
29	97	6,610	1,480	6,260	------	2,620	238	729	122	157	83	102
30	57	2,260	1,100	2,300	------	1,300	233	561	106	118	209	93
31	73	------	1,420	1,650	------	741	------	445	------	95	148	------
TOTAL	3,878	46,400	46,947	153,941	57,138	28,152	38,088	63,361	32,439	6,265	3,969	10,078
MEAN	125	1,547	1,514	4,966	2,041	908	1,270	2,044	1,081	202	128	336
MAX	1,740	13,900	11,200	17,100	9,050	6,060	7,100	11,000	4,830	891	1,020	3,050
MIN	22	59	173	761	550	350	233	210	106	62	48	86
CFSM	.20	2.51	2.45	8.05	3.31	1.47	2.06	3.31	1.75	.33	.21	.54
IN.	.23	2.80	2.83	9.28	3.44	1.70	2.30	3.82	1.96	.38	.24	.51

CAL YR 1973 TOTAL 546,172 MEAN 1,496 MAX 53,800 MIN 21 CFSM 2.42 IN 32.93
WTR YR 1974 TOTAL 490,656 MEAN 1,344 MAX 17,100 MIN 22 CFSM 2.18 IN 29.58

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-27	2200	27.40	19,300	01-28	1330	26.49	15,300
01-11	1130	27.51	19,800	02-02	1630	26.46	15,200
01-24	1845	27.18	18,200	05-15	2030	26.59	15,700

02437000 Tombigbee River near Amory, Miss.

LOCATION.--Lat 33°59'10", long 88°33'05", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw meridian, Monroe County, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mile (0.5 km) downstream from Town Creek, 3.5 miles (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

DRAINAGE AREA.--1,924 mi^2 (4,983 km^2).

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft (54.358 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft (460 m) upstream at same datum. Oct. 10, 1939, to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (sta 02437500), 20 miles (30 km) downstream, was used as an auxiliary gage for this station 1950-58.

AVERAGE DISCHARGE.--37 years, 3,031 ft^3/s (85.84 m^3/s), 21.39 in/yr (543 mm/yr).

EXTREMES.--Current year: Maximum discharge, 33,600 ft^3/s (952 m^3/s) Jan. 13 (gage height, 27.22 ft or 8.297 m); minimum, 292 ft^3/s (8.27 m^3/s) Oct. 7; minimum gage height, 4.78 ft (1.457 m) Aug. 28.
Period of record: Maximum discharge, 162,000 ft^3/s (4,590 m^3/s) Mar. 17, 1973 (gage height, 34.65 ft or 10.561 m); minimum discharge, 45 ft^3/s (1.27 m^3/s) Sept. 20, 1954; minimum gage height, 0.77 ft (0.235 m) Sept. 1, 1943.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record and 9 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	870	17,000	7,410	11,000	3,830	4,190	1,550	5,340	710	604	1,410
2	318	950	12,400	5,830	13,000	3,520	10,400	1,570	9,430	672	544	1,610
3	318	825	8,900	7,230	19,800	3,270	9,880	1,680	5,120	644	604	5,630
4	328	684	7,600	14,400	15,900	3,000	7,280	1,900	5,170	644	604	2,920
5	332	850	7,340	12,400	12,900	2,800	6,820	2,520	7,370	648	524	1,910
6	310	845	5,170	10,900	11,200	2,690	5,430	2,620	7,910	950	524	1,290
7	320	790	3,930	12,600	10,200	2,590	5,780	2,380	5,360	925	492	1,040
8	851	1,720	3,250	10,100	8,280	2,450	6,560	2,180	9,930	1,830	500	1,590
9	3,070	2,380	2,660	10,100	6,880	2,330	5,320	2,530	9,650	1,610	504	2,400
10	1,870	1,390	2,180	13,100	5,750	2,230	4,020	2,550	6,750	1,730	524	2,350
11	1,860	1,010	1,870	21,200	4,920	2,200	3,360	2,570	5,920	1,730	705	1,970
12	1,180	785	1,640	30,500	4,140	2,510	6,610	6,920	5,500	1,660	995	1,610
13	640	684	1,530	31,600	3,720	2,590	13,900	4,840	7,050	1,720	3,070	2,120
14	580	636	1,440	25,000	3,820	2,390	9,360	3,840	5,360	1,820	2,480	2,150
15	775	604	1,400	22,500	6,880	2,170	8,150	7,100	4,060	1,630	1,910	2,390
16	820	596	1,240	16,400	8,930	2,100	7,940	16,400	3,190	1,300	1,200	1,700
17	660	588	1,150	12,500	8,160	2,090	6,620	15,600	2,510	950	985	1,360
18	552	604	1,080	10,700	7,280	1,990	5,220	13,000	2,390	705	715	1,100
19	468	604	1,040	8,880	8,900	1,940	4,150	11,200	2,740	604	615	935
20	420	596	2,440	9,360	8,000	3,470	3,370	8,690	2,230	628	535	825
21	393	5,280	3,050	13,100	7,140	9,480	2,770	6,700	1,930	532	452	785
22	378	5,120	2,560	9,290	11,700	10,900	4,840	5,300	1,660	536	472	658
23	366	3,340	2,170	11,200	8,780	8,090	5,450	13,900	1,450	1,030	432	632
24	352	3,780	2,050	16,600	7,320	9,170	4,000	13,300	1,320	1,700	455	612
25	348	3,990	9,000	23,200	6,860	8,090	3,280	8,040	1,180	1,380	396	608
26	338	4,240	16,000	21,500	5,940	6,330	2,630	5,950	1,080	1,170	350	684
27	335	10,200	17,400	19,300	5,030	5,070	2,300	8,600	980	2,140	338	750
28	369	23,300	13,600	18,100	4,280	4,210	2,060	6,270	900	1,650	332	870
29	488	22,800	12,400	20,400	------	5,620	1,950	4,750	840	1,220	342	850
30	540	19,800	10,800	15,100	------	5,730	1,690	3,950	775	905	850	790
31	584	------	8,690	12,700	------	4,520	------	3,400	------	684	1,210	------
TOTAL	20,481	119,861	182,980	473,200	236,510	130,350	166,230	193,830	130,195	36,077	24,270	45,729
MEAN	661	3,995	5,903	15,260	8,447	4,205	5,541	6,253	4,340	1,164	783	1,524
MAX	3,070	23,300	17,400	31,600	19,900	10,900	13,900	16,400	9,930	2,140	3,070	5,630
MIN	310	588	1,040	5,830	3,720	1,940	1,690	1,550	775	532	332	608
CFSM	.34	2.08	3.07	7.93	4.39	2.19	2.88	3.25	2.26	.61	.41	.79
IN.	.40	2.32	3.54	9.15	4.57	2.52	3.21	3.75	2.52	.70	.47	.88

CAL YR 1973 TOTAL 1,829,195 MEAN 5,011 MAX 148,000 MIN 242 CFSM 2.60 IN 35.37
WTR YR 1974 TOTAL 1,759,713 MEAN 4,821 MAX 31,600 MIN 310 CFSM 2.51 IN 34.02

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-28	1500	25.22	24,700	01-29	0430	24.48	21,700
12-27	0300	23.48	18,700	02-03	1330	24.00	20,200
01-04	1430	21.93	15,000	04-13	0800	22.00	15,100
01-13	0300	27.22	33,600	05-16	1700	22.90	17,300
01-25	1500	24.98	23,700	05-23	2000	22.17	15,500

02437500 Tombigbee River at Aberdeen, Miss.

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville meridian, Monroe County, on left bank at downstream side of bridge on U.S. Highway 45, 1.3 miles (2.1 km) downstream from St. Louis-San Francisco Railway bridge, 1.5 miles (2.4 km) east of Aberdeen, 2 miles (3 km) downstream from Matubby Creek, 6 miles (10 km) downstream from Halfway Creek, and 13 miles (21 km) upstream from McKinley Creek.

DRAINAGE AREA.--2,169 mi^2 (5,618 km^2).

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971 to current year. Gage-height records collected at site 1.3 miles (2.1 km) upstream since 1909 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 154.71 ft (47.156 m) above mean sea level (Corps of Engineers bench mark). Prior to Nov. 5, 1934, nonrecording gage at site 1.3 miles (2.3 km) upstream, and Nov. 6, 1934 to Aug. 30, 1939, nonrecording gage at present site, all at present datum.

AVERAGE DISCHARGE.--33 years (1928-58, 1971-74), 3,243 ft^3/s (91.84 m^3/s), 20.30 in/yr (516 mm/yr).

EXTREMES.--Current year: Maximum discharge, 32,600 ft^3/s (923 m^3/s) Jan. 14 (gage height, 38.91 ft or 11.860 m); minimum, 324 ft^3/s (9.18 m^3/s) Oct. 7 (gage height, 4.18 ft or 1.274 m).
Period of record: Maximum discharge, 123,000 ft^3/s (3,480 m^3/s) Mar. 18, 1973 (gage height, 45.02 ft or 13.722 m); minimum discharge, 58 ft^3/s (1.64 m^3/s) Sept. 1, 2, 1943; minimum gage height, 0.77 ft (0.235 m) Sept. 12, 13, 1954.
A flood on Mar. 23, 1955, reached a stage of 45.3 ft (13.81 m), and a stage of 44.8 ft (13.66 m) occurred April 20, 1892 at former site.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS.--WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	445	701	20,100	11,100	15,000	3,670	4,450	1,500	3,870	764	671	1,910
2	386	876	17,800	9,480	13,300	3,180	6,430	1,450	6,970	719	603	2,290
3	370	852	15,000	8,100	15,300	2,870	8,560	1,540	7,690	689	605	3,720
4	364	722	12,700	9,660	17,800	2,640	9,090	1,610	6,740	660	662	3,860
5	388	1,090	11,100	11,900	16,500	2,470	8,220	1,960	6,730	660	657	1,850
6	354	973	9,390	12,200	14,600	2,340	7,320	2,250	8,920	826	588	1,210
7	336	828	7,060	13,000	13,400	2,250	6,570	2,140	9,410	939	552	944
8	1,210	2,120	4,190	12,900	11,900	2,170	5,930	1,930	9,440	1,190	603	915
9	1,790	5,310	2,700	11,900	10,300	2,050	6,180	1,940	9,890	1,410	581	2,340
10	1,930	2,240	2,220	12,100	8,610	1,960	4,720	2,220	9,370	1,460	572	2,260
11	1,460	1,250	1,930	15,100	6,800	2,230	3,230	2,090	8,150	1,410	607	1,890
12	1,280	934	1,730	23,100	4,850	3,260	3,060	4,830	7,410	1,420	766	1,520
13	804	802	1,620	30,800	3,620	2,590	8,870	6,380	8,080	1,370	1,630	1,510
14	828	727	1,540	31,500	3,180	2,240	11,700	4,460	7,420	1,450	2,390	1,730
15	1,020	687	1,490	29,100	5,070	2,010	11,300	4,570	5,710	1,470	1,850	2,260
16	854	654	1,420	25,000	7,340	1,890	9,990	9,450	3,440	1,270	1,350	1,780
17	751	634	1,330	19,000	8,490	1,880	9,110	12,500	2,390	1,000	984	1,300
18	641	630	1,260	15,400	8,220	1,820	8,040	13,800	2,170	800	824	1,030
19	551	641	1,220	13,200	8,070	1,770	6,290	13,300	3,000	680	694	865
20	489	632	2,250	11,700	8,440	2,570	3,940	12,200	2,210	729	612	766
21	450	3,790	3,690	12,700	8,200	5,490	2,700	10,500	1,860	643	552	699
22	423	6,920	2,700	12,700	9,710	8,440	2,460	8,630	1,590	577	513	630
23	401	4,730	2,290	11,700	10,800	9,170	5,560	8,410	1,700	701	494	577
24	386	3,220	2,000	13,300	9,970	8,520	4,880	10,700	1,590	1,200	479	546
25	370	3,150	5,330	18,100	8,670	8,400	3,350	11,600	1,260	1,280	479	528
26	362	3,860	11,400	23,000	7,570	7,940	2,540	10,500	1,100	1,110	444	557
27	350	7,050	15,700	23,900	6,300	6,740	2,140	9,800	987	1,450	414	621
28	378	14,300	16,400	21,900	4,760	4,860	1,920	8,920	905	1,620	392	694
29	485	18,800	15,100	22,700	------	6,300	1,750	7,300	850	1,310	396	719
30	560	21,100	14,000	21,300	------	7,670	1,600	4,990	805	968	731	694
31	601	------	12,600	17,500	------	6,350	------	3,220	------	783	1,700	------
TOTAL	21,017	110,223	219,260	525,040	266,770	127,740	171,900	196,690	141,657	32,558	24,395	42,215
MEAN	678	3,674	7,073	16,940	9,528	4,121	5,730	6,345	4,722	1,050	787	1,407
MAX	1,930	21,100	20,100	31,500	17,800	9,170	11,700	13,800	9,890	1,620	2,390	3,860
MIN	336	630	1,220	8,100	3,180	1,770	1,600	1,450	805	577	392	528
CFSM	.31	1.69	3.26	7.81	4.39	1.90	2.64	2.93	2.18	.48	.36	.65
IN.	.36	1.89	3.76	9.00	4.58	2.19	2.95	3.37	2.43	.56	.42	.72

CAL YR 1973 TOTAL 2,059,396 MEAN 5,642 MAX 117,000 MIN 280 CFSM 2.60 IN 35.32
WTR YR 1974 TOTAL 1,879,465 MEAN 5,149 MAX 31,500 MIN 336 CFSM 2.37 IN 32.23

02439400 Buttahatchee River near Aberdeen, Miss.

LOCATION.--Lat 33°47'28", long 88°18'52", in NW¼ sec.3, T.15 S., R.17 W., Huntsville meridian, Monroe County, near right bank on downstream side of bridge on county highway, 10 miles (16 km) downstream from Sipsey Creek, and 13 miles (21 km) southeast of Aberdeen.

DRAINAGE AREA.--787 mi^2 (2,038 km^2).

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft (67.291 m) above mean sea level (Mississippi State Highway bench mark).

AVERAGE DISCHARGE.--8 years, 1,423 ft^3/s (40.30 m^3/s), 24.55 in/yr (624 mm/yr).

EXTREMES.--Current year: Maximum discharge, 15,700 ft^3/s (445 m^3/s) Dec. 28 (gage height, 17.28 ft or 5.267 m); minimum, 262 ft^3/s (7.42 m^3/s) Oct. 28 (gage height, 5.32 ft or 1.622 m).
Period of record: Maximum discharge, 80,000 ft^3/s (2,270 m^3/s) Mar. 17, 1973 (gage height, 23.48 ft or 7.157 m, observed at crest); minimum, 117 ft^3/s (3.31 m^3/s) Sept. 16, 1972 (gage height, 4.26 ft or 1.298 m).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	430	446	7,530	3,280	5,030	1,900	2,740	893	1,400	500	445	1,610
2	460	572	4,390	2,890	3,720	1,740	2,720	875	1,930	476	411	1,190
3	430	494	2,630	2,750	3,120	1,680	2,820	959	2,440	458	431	858
4	400	421	1,940	2,850	3,950	1,570	4,180	1,080	2,370	438	458	1,190
5	379	428	2,160	3,270	6,510	1,470	5,100	1,080	1,800	448	461	1,010
6	346	532	2,530	3,830	4,750	1,390	5,280	1,170	2,100	1,010	413	710
7	317	542	2,270	4,220	3,500	1,310	4,850	998	2,580	1,430	367	770
8	315	668	1,640	4,150	3,220	1,240	3,280	879	3,810	1,060	445	750
9	389	1,610	1,340	4,270	3,330	1,150	2,500	907	4,730	1,150	456	1,680
10	411	2,160	1,200	4,130	3,160	1,100	2,840	1,150	5,260	1,020	445	2,250
11	349	1,720	1,080	4,910	2,590	1,040	2,760	1,270	4,550	783	398	1,880
12	307	958	990	6,370	2,250	1,200	2,390	1,500	3,090	719	362	2,000
13	286	735	933	4,720	1,980	1,330	3,390	1,950	2,510	897	469	1,700
14	403	644	907	7,640	1,820	1,200	6,250	1,950	2,420	744	1,050	1,480
15	799	589	854	5,470	1,970	1,050	8,540	1,690	1,930	581	707	1,210
16	773	559	796	4,620	2,760	1,000	6,250	2,210	1,430	524	507	1,050
17	542	545	751	4,920	3,430	1,010	4,010	2,740	1,220	507	443	870
18	423	537	710	4,380	5,080	998	2,860	3,170	1,080	461	534	750
19	360	497	689	3,410	5,470	983	2,210	2,540	1,060	423	474	670
20	326	484	837	2,860	4,200	1,360	1,850	1,590	1,060	401	394	600
21	309	847	1,400	2,690	3,530	2,070	1,520	1,500	935	391	353	545
22	297	1,870	1,640	2,920	3,510	2,450	1,480	1,390	923	453	335	500
23	289	2,540	1,280	3,140	3,430	3,100	1,500	1,910	897	487	349	450
24	278	2,470	1,100	3,840	5,550	3,270	1,960	2,270	983	575	339	425
25	272	1,480	1,410	6,130	4,870	2,260	1,700	1,830	925	601	309	400
26	271	1,170	3,000	8,410	3,290	1,810	1,380	1,750	719	532	291	550
27	269	1,940	5,980	8,310	2,500	1,620	1,220	2,500	550	713	280	750
28	276	3,250	14,300	7,230	2,100	1,470	1,110	3,090	504	1,230	291	640
29	344	10,700	9,470	7,530	------	2,100	1,030	3,140	564	915	355	550
30	505	11,800	6,330	7,370	------	2,940	951	2,370	532	641	592	500
31	451	------	4,200	7,070	------	3,120	------	1,530	------	513	1,440	------
TOTAL	12,006	53,208	87,287	153,580	101,720	52,031	91,011	53,901	55,404	21,091	14,605	29,598
MEAN	387	1,774	2,816	4,954	3,633	1,678	3,034	1,739	1,880	680	471	987
MAX	799	11,800	14,300	8,720	6,510	3,270	8,540	3,170	5,260	1,430	1,440	2,250
MIN	269	421	689	2,690	1,820	983	951	875	532	391	280	400
CFSM	.49	2.25	3.58	6.29	4.62	2.13	3.85	2.21	2.39	.86	.60	1.25
IN.	.57	2.52	4.13	7.26	4.81	2.46	4.30	2.55	2.67	1.00	.69	1.40

CAL YR 1973 TOTAL 759,517 MEAN 2,081 MAX 63,900 MIN 170 CFSM 2.64 IN 35.90
WTR YR 1974 TOTAL 726,443 MEAN 1,990 MAX 14,300 MIN 269 CFSM 2.53 IN 34.34

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-29	2400	16.97	14,200	02-05	0800	14.65	7,040
12-28	1100	17.28	15,700	02-24	1700	14.33	6,330
01-13	1500	15.58	9,380	04-15	0800	15.48	9,100
01-26	2400	15.45	9,020				

02441000 Tibbee Creek near Tibbee, Miss.

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw meridian, Clay County, on right bank 10 ft (3 m) downstream from bridge on old State Highway 25, 560 ft (170 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mile (1.1 km) north of Tibbee, 4.5 miles (7.2 km) upstream from Magee Creek, 5 miles (8 km) south of West Point, and 9.8 miles (15.8 km) upstream from Catalpa Creek.

DRAINAGE AREA.--928 mi^2 (2,404 km^2).

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1304. Prior to October 1950, published as Tibbee River near Tibbee.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft (46.961 m) above mean sea level (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft (170 m) downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--37 years (1928-30, 1939-73), 1,286 ft^3/s (36.42 m^3/s), 18.82 in/yr (478 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,200 ft^3/s (629 m^3/s) Dec. 27 (gage height, 26.11 ft or 7.958 m); minimum, 12 ft^3/s (0.34 m^3/s) Oct. 25.
Period of record: Maximum discharge, 81,600 ft^3/s (2,310 m^3/s) Mar. 17, 1973 (gage height, 32.26 ft or 9.833 m); no flow at times many years.
Flood in December 1926 reached a stage of 31.5 ft (9.60 m), from information by local residents.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30.

DISCHARGE, IN CUBIC FEET PER SECOND WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	367	44	11,600	2,550	6,040	510	5,740	206	936	125	72	590
2	97	61	6,560	1,440	3,860	470	5,030	189	1,940	106	50	1,040
3	52	60	3,670	1,780	2,240	433	6,320	201	1,930	92	45	1,320
4	49	51	2,020	3,620	2,730	411	6,360	209	1,550	79	61	1,330
5	64	242	2,710	4,720	4,360	382	5,210	275	1,380	78	87	826
6	77	714	2,570	5,590	4,720	354	2,510	352	2,560	356	73	474
7	44	477	1,600	6,740	3,930	334	581	296	4,200	541	55	264
8	152	324	706	7,000	4,170	312	505	222	4,790	477	62	214
9	334	1,480	467	6,130	3,750	289	951	172	5,320	455	75	675
10	122	2,030	367	5,450	2,390	271	951	142	5,060	196	67	990
11	63	2,180	295	7,570	1,170	277	519	143	4,160	146	63	520
12	36	1,200	251	10,590	812	882	1,150	482	2,260	120	54	380
13	23	360	230	12,600	545	1,450	6,230	790	1,330	94	393	424
14	18	199	218	10,600	589	994	14,700	371	1,880	67	955	510
15	72	137	201	7,940	2,870	513	11,500	556	2,490	53	498	528
16	115	111	189	7,040	5,300	371	7,920	1,900	2,540	44	296	397
17	72	90	171	6,570	5,520	310	4,540	3,030	1,270	38	175	215
18	46	77	155	5,470	5,040	273	1,380	5,090	444	34	120	150
19	33	65	144	3,770	4,400	277	554	5,980	978	65	85	116
20	25	59	1,010	2,580	3,580	1,820	419	4,210	1,560	182	59	133
21	21	1,310	2,150	4,650	3,410	2,570	335	1,150	1,410	189	45	130
22	18	3,170	1,900	7,170	4,360	3,350	433	373	513	93	36	111
23	15	3,740	944	6,970	5,140	3,810	1,530	815	871	69	31	97
24	13	3,730	562	7,390	6,510	3,440	2,150	1,590	2,320	246	27	76
25	12	2,550	2,220	12,200	5,070	1,450	2,350	2,330	3,200	360	25	49
26	22	1,060	7,010	15,600	2,210	642	1,630	3,500	2,200	201	22	46
27	29	2,090	14,900	12,400	755	518	601	4,260	509	142	19	54
28	30	4,060	18,400	9,940	585	455	378	4,380	275	278	19	58
29	32	12,400	11,400	9,520	------	1,500	293	3,600	193	207	18	51
30	36	18,800	7,160	9,150	------	3,990	239	1,290	149	165	42	57
31	45	------	4,530	7,750	------	6,510	------	424	------	115	248	------
TOTAL	2,134	62,475	111,211	223,000	100,007	9,178	93,861	48,508	60,315	5,413	3,875	11,825
MEAN	68.8	2,099	3,587	7,194	3,572	1,264	3,129	1,555	2,011	175	125	394
MAX	367	18,800	18,900	15,600	5,510	5,510	14,700	5,980	5,320	541	955	1,330
MIN	12	44	144	1,440	585	271	239	142	149	34	19	46
CFSM	.07	2.26	3.87	7.75	3.85	1.36	3.37	1.69	2.17	.19	.13	.42
IN.	.09	2.52	4.45	8.94	4.01	1.57	3.75	1.94	2.42	.22	.16	.47

CAL YR 1973 TOTAL 807,043.5 MEAN 2,211 MAX 74,10 MIN 4.5 CFSM 2.38 IN 32.35
WTR YR 1974 TOTAL 762,203.9 MEAN 2,088 MAX 18,90 MIN 12 CFSM 2.25 IN 30.55

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-30	0130	25.91	21,000	01-26	0300	25.11	16,600
12-27	2030	26.11	22,200	04-14	1230	25.03	16,200
01-13	0330	24.18	12,700				

02441500 Tombigbee River at Columbus, Miss.

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville meridian, Lowndes County, on left bank at Columbus, 1,200 ft (370 m) downstream from bridge on U.S. Highway 45E and 82, 1,800 ft (550 m) upstream from Gulf, Mobile, and Ohio Railroad bridge, 2.3 miles (3.7 km) upstream from Luxapallila Creek, 6.7 miles (10.8 km) downstream from Tibbee Creek, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--4,490 mi^2 (11,630 km^2), approximately.

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to current year. Monthly discharge only for some periods, published in WSP 1304. Gage-height records collected in this vicinity since 1890 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft (39.292 m) above mean sea level. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mile (0.3 km) of present site, at datum 4.00 ft (1.219 m) higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 miles (6.0 km) upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 miles (3.4 km) upstream from base gage at datum 128.82 ft (39.264 m) above mean sea level.

AVERAGE DISCHARGE.--59 years, 6,390 ft^3/s (181.0 m^3/s), 19.33 in/yr (491 mm/yr).

EXTREMES.--Current year: Maximum discharge, 50,600 ft^3/s (1,430 m^3/s) Jan. 30 (gage height, 30.82 ft or 9.394 m); minimum, 658 ft^3/s (18.6 m^3/s) Oct. 27 (gage height, 1.95 ft or 0.594 m).
Period of record: 194,000 ft^3/s (5,490 m^3/s) Mar. 19, 1973 (gage height, 42.22 ft or 12.869 m); minimum, 138 ft^3/s (3.91 m^3/s) Sept. 20, 1954; minimum gage height observed, -0.1 ft (-0.030 m) Oct. 9-12, 1911, present datum.
Flood of Apr. 8, 1892, reached an elevation of 173.0 ft (52.73 m) above mean sea level at site 1,100 ft (335 m) upstream (corresponding stage at gage about 44 ft or 13.4 m).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 727: 1928-29. WSP 802: 1929(M). WSP 1504: 1900-1903, 1950.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,690	1,140	34,700	32,600	44,000	7,990	16,500	3,150	5,730	1,680	1,510	4,030
2	1,340	1,270	37,200	25,500	39,100	6,790	21,200	2,970	9,310	1,570	1,310	5,750
3	1,280	1,450	35,600	19,900	33,000	6,120	25,000	2,900	10,500	1,450	1,400	5,390
4	1,040	1,390	31,000	19,700	27,700	5,650	26,800	3,000	11,000	1,410	1,590	5,470
5	935	1,510	25,100	19,400	26,200	5,200	26,400	3,330	12,500	1,430	1,450	5,260
6	916	2,150	20,500	20,900	27,100	4,890	23,400	3,820	13,700	1,730	1,340	3,550
7	805	1,970	15,100	26,800	28,500	4,600	16,900	3,970	17,300	2,250	1,210	2,570
8	1,090	2,020	11,200	29,600	29,500	4,410	13,500	3,620	18,400	2,650	1,270	2,650
9	2,060	6,460	5,750	29,600	25,000	4,160	12,000	3,250	19,000	3,120	1,510	3,900
10	2,690	7,010	4,920	30,700	21,100	3,930	10,600	3,450	19,500	2,930	1,480	5,120
11	2,240	5,650	4,130	33,000	16,400	3,550	8,340	3,650	19,000	2,750	1,320	5,550
12	1,910	4,500	3,620	36,800	12,100	5,300	8,940	5,350	15,900	2,590	1,290	4,590
13	1,570	2,820	3,310	39,700	8,880	7,070	24,700	8,770	14,200	2,350	2,060	4,170
14	1,150	2,020	3,070	42,700	7,310	5,880	31,300	8,530	13,200	2,410	3,680	3,730
15	1,490	1,690	2,920	46,700	12,200	4,700	33,800	7,050	12,300	2,440	3,720	3,620
16	1,810	1,510	2,790	48,700	17,600	4,040	33,300	12,700	9,910	2,130	2,920	4,150
17	1,740	1,400	2,590	47,400	20,300	3,740	30,000	14,600	5,950	1,930	2,150	3,430
18	1,430	1,340	2,430	43,900	20,900	3,600	23,300	15,500	4,510	1,810	1,740	2,760
19	1,150	1,290	2,320	39,000	20,500	3,520	15,700	18,800	5,240	1,590	1,520	2,290
20	994	1,290	3,690	33,000	19,400	5,070	10,200	19,400	5,510	1,410	1,360	1,890
21	870	3,790	6,950	28,600	19,000	11,700	6,770	15,900	4,880	1,570	1,210	1,720
22	805	9,830	7,350	26,500	22,500	14,100	6,210	13,000	3,900	1,320	1,130	1,520
23	757	11,500	6,000	26,100	24,100	15,400	9,450	11,600	3,500	1,280	1,010	1,370
24	733	10,200	4,720	28,600	24,400	15,300	10,500	11,600	5,150	1,590	987	1,250
25	691	9,080	8,350	34,700	23,400	14,700	10,400	13,200	5,260	2,250	961	1,200
26	674	7,140	23,100	39,500	19,700	12,500	7,470	16,700	4,900	2,150	922	1,190
27	674	9,580	31,900	43,400	14,500	10,400	5,620	20,900	3,090	1,910	831	1,230
28	685	18,300	37,800	46,500	10,800	8,970	4,340	20,400	2,220	2,490	819	1,350
29	715	22,900	41,800	49,700	------	12,200	3,830	18,200	1,990	2,750	838	1,450
30	864	28,600	41,700	49,900	------	15,400	3,430	14,400	1,910	2,620	1,070	1,410
31	1,060	------	39,300	48,000	------	17,500	------	8,590	------	1,850	2,330	------
TOTAL	37,848	180,900	502,910	1,087,1M	615,790	255,170	479,910	314,330	282,260	53,310	47,937	96,850
MEAN	1,221	6,030	16,220	35,070	21,990	8,231	16,000	10,140	9,409	2,042	1,545	3,229
MAX	2,690	28,600	41,800	49,900	44,000	17,500	33,800	20,900	19,500	3,120	3,720	6,870
MIN	674	1,140	2,320	19,400	7,310	3,600	3,430	2,900	1,910	1,240	819	1,180
CFSM	.27	1.34	3.61	7.81	4.90	1.83	3.56	2.26	2.10	.45	.34	.72
IN.	.31	1.50	4.17	9.01	5.10	2.11	3.99	2.60	2.34	.52	.40	.80

CAL YR 1973 TOTAL 4,359,172 MEAN 11,940 MAX 91,000 MIN 608 CFSM 2.66 IN 36.17
WTR YR 1974 TOTAL 3,964,325 MEAN 10,860 MAX 49,900 MIN 574 CFSM 2.42 IN 32.94

02443000 Luxapallila Creek at Steens, Miss.

LOCATION.--Lat 33°33'35", long 88°18'55", in NE¼ sec.27, T.17 S., R.17 W., Huntsville meridian, Lowndes County, on left bank at downstream side of highway bridge, 0.2 mile (0.3 km) southeast of Steens, 1 mile (1.6 km) upstream from Yellow Creek, and 6.5 miles (10.5 km) northeast of Columbus.

DRAINAGE AREA.--309 mi^2 (800 km^2).

PERIOD OF RECORD.--October 1943 to September 1947, October 1949 to current year. Prior to October 1966, published as Luxapalila Creek at Steens.

GAGE.--Water-stage recorder. Datum of gage is 179.45 ft (54.696 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1947, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--29 years, 488 ft^3/s (13.82 m^3/s), 21.45 in/yr (545 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,250 ft^3/s (205 m^3/s) Dec. 27 (gage height, 17.10 ft or 5.212 m); minimum, 89 ft^3/s (2.52 m^3/s) Oct. 13, 26 (gage height, 3.68 ft or 1.12 m).
Period of record: Maximum discharge, 14,200 ft^3/s (402 m^3/s) Feb. 23, 1961 (gage height, 18.90 ft or 5.761 m); minimum, 23 ft^3/s (0.65 m^3/s) Aug. 14, 1954 (gage height, 2.52 ft or 0.768 m).
Flood of Jan. 6, 1949, reached a stage of 19.2 ft or 5.85 m (discharge, about 16,000 ft^3/s or 453 m^3/s).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record and 9 discharge measurements furnished by Corps of Engineers.

REVISIONS (WATER YEARS).--WSP 1172: 1946(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	141	1,350	1,100	1,390	745	989	428	495	211	179	487
2	201	144	545	1,050	1,180	706	2,420	419	517	203	168	436
3	155	144	543	845	1,940	559	4,320	414	495	195	282	551
4	127	143	585	969	1,080	534	2,520	410	423	187	330	414
5	116	172	475	1,240	424	546	2,840	410	454	192	264	297
6	107	159	410	1,260	432	578	1,510	428	501	204	223	236
7	103	175	513	2,450	1,160	565	1,030	410	862	336	203	204
8	101	195	488	2,850	2,040	541	963	374	1,410	318	269	256
9	98	403	421	1,860	1,510	517	969	356	1,570	410	310	850
10	98	496	444	2,570	1,040	436	957	346	1,120	417	241	1,210
11	98	493	354	3,050	924	570	724	428	840	336	192	618
12	91	486	330	4,140	829	1,060	1,010	651	548	290	165	404
13	89	239	315	2,950	755	1,030	3,940	1,150	539	402	179	315
14	103	201	303	1,640	717	559	6,050	694	912	366	233	297
15	157	186	294	1,550	496	565	2,900	591	522	292	243	315
16	269	149	273	1,470	1,500	527	1,560	753	494	328	192	352
17	189	176	263	1,490	2,040	498	1,090	1,000	429	310	178	297
18	148	159	245	1,150	1,750	478	913	674	405	239	152	233
19	124	152	252	442	1,240	489	801	517	402	208	139	198
20	113	152	387	453	1,450	1,190	717	436	402	192	127	172
21	107	297	569	1,420	1,260	2,130	553	406	362	179	119	150
22	103	1,030	777	1,700	2,470	1,500	756	436	319	192	113	140
23	101	1,100	539	1,250	2,450	1,090	1,150	457	325	350	112	130
24	101	554	433	1,770	1,525	847	1,060	555	359	302	111	130
25	98	426	745	3,150	1,140	735	744	476	362	262	106	130
26	89	354	5,000	3,950	438	577	543	799	306	228	101	150
27	91	572	7,210	2,430	529	556	573	2,040	265	219	97	300
28	113	2,830	7,010	2,760	774	517	529	1,990	245	328	101	230
29	116	4,550	3,230	4,130	------	1,140	489	953	232	292	133	190
30	144	2,530	1,450	3,740	------	2,430	454	674	219	243	195	170
31	147	------	1,350	2,340	------	1,350	------	553	------	200	261	------
TOTAL	3,909	19,813	34,056	64,460	35,453	29,344	45,332	20,302	15,535	8,401	5,716	9,812
MEAN	126	594	1,229	2,045	1,302	951	1,511	655	555	271	184	327
MAX	269	4,550	7,210	4,130	2,470	2,430	6,050	2,040	1,570	417	330	1,210
MIN	89	141	245	896	717	478	454	356	219	179	97	130
CFSM	.41	2.04	3.97	6.78	4.21	3.75	4.89	2.12	1.80	.88	.60	1.06
IN.	.47	2.39	4.58	7.92	4.39	3.14	5.45	2.44	2.00	1.01	.69	1.18

CAL YR 1973 TOTAL 311,400 MEAN 853 MAX 11,400 MIN 42 CFSM 2.76 IN 37.49
WTR YR 1974 TOTAL 295,284 MEAN 809 MAX 7,210 MIN 89 CFSM 2.62 IN 35.55

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	1800	17.10	7,250	01-29	2400	15.81	5,100

02444500 Tombigbee River near Cochrane, Ala.

LOCATION.--Lat 33°04'45", long 88°14'18", in sec. 7, T. 24 N., R. 2 W., Pickens County, near left bank on downstream side of bridge on State Highway 17, 200 ft (61 m) upstream from Alabama, Tennessee and Northern Railroad bridge, 1.2 miles (1.9 km) northeast of Cochrane, 2.2 miles (3.5 km) downstream from Boguechitto Creek, 7 miles (11 km) southwest of Aliceville, and at mile 271.4 (436.7 km).

DRAINAGE AREA.--5,990 mi^2 (15,500 km^2), approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for period October to December 1938, published in WSP 1304. Gage-height records collected at same site November 1909 to September 1924 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 89.85 ft (27.386 m) above mean sea level. Prior to July 10, 1939, nonrecording gage at site 200 ft (61 m) downstream at same datum. Since Jan. 30, 1940, auxiliary water-stage recorder or nonrecording gage 14 miles (23 km) downstream from base gage at datum 7.76 ft (2.365 m) lower.

AVERAGE DISCHARGE.--36 years, 8,505 ft^3/s (240.9 m^3/s), 19.28 in/yr (490 mm/yr).

EXTREMES.--Current year. Maximum discharge, 52,500 ft^3/s (1,490 m^3/s) Jan. 31; maximum gage height, 37.47 ft or 11.421 m Feb. 1; minimum daily discharge, 820 ft^3/s (23.2 m^3/s) Oct. 28, 29.

Period of record: Maximum discharge, 166,000 ft^3/s (4,700 m^3/s) Mar. 21, 1973; maximum gage height, 47.37 ft or 14.438 m Mar. 21, 1973; minimum discharge, 165 ft^3/s (4.67 m) Sept. 21, 1954 (gage height, 2.34 ft or 0.713 m).

Flood in April 1892 reached a stage of 50.2 ft (15.30 m) present datum (discharge not determined), from reports of National Weather Service.

REMARKS.--Records poor.

COOPERATION.--Gage-height record and three discharge measurements furnished by the Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,610	1,240	33,100	41,200	51,000	18,000	24,600	5,050	14,000	2,450	2,390	4,090
2	1,990	1,310	35,200	38,700	49,000	12,000	25,100	4,670	11,000	2,290	1,980	7,890
3	1,770	1,440	37,700	34,200	48,000	9,200	29,100	4,390	13,000	2,160	1,790	12,100
4	1,510	1,640	39,000	32,300	45,000	8,300	33,700	4,310	14,100	2,050	1,950	11,400
5	1,200	1,650	38,100	30,100	38,000	7,300	37,000	4,910	15,800	1,980	2,210	10,200
6	1,070	1,800	36,800	29,200	36,000	6,800	36,500	5,290	19,800	2,090	2,000	6,770
7	1,000	2,460	29,700	33,200	35,000	6,300	33,500	5,670	21,700	2,470	1,850	4,680
8	980	2,500	22,600	35,800	36,000	6,000	26,600	5,500	23,600	3,200	1,710	5,010
9	1,250	4,350	13,600	37,400	35,000	5,700	20,400	4,890	24,900	3,770	1,940	7,130
10	2,190	10,100	8,390	39,400	32,000	5,500	16,500	4,610	25,300	4,440	2,380	9,030
11	2,760	9,090	6,160	41,700	29,000	5,400	13,700	5,010	25,300	4,140	2,280	10,200
12	2,250	6,570	5,200	43,600	25,000	5,400	14,600	6,240	24,300	3,700	1,920	8,250
13	1,930	4,850	4,600	43,800	20,000	6,600	32,600	10,700	21,700	3,330	2,060	6,920
14	1,580	3,100	4,150	43,900	15,000	8,500	36,000	12,900	18,600	3,200	3,800	6,150
15	1,250	2,340	3,950	45,500	24,000	7,100	37,700	11,800	17,200	3,260	5,400	5,220
16	1,660	1,990	3,720	46,500	29,000	6,200	38,100	15,900	15,600	3,150	4,890	5,400
17	2,070	1,780	3,440	48,600	30,000	5,300	38,000	18,700	12,400	2,850	3,710	5,370
18	1,970	1,670	3,190	48,100	31,000	4,900	36,300	19,800	8,670	2,600	2,840	4,400
19	1,610	1,580	3,010	47,300	30,000	4,800	32,600	21,400	7,170	2,430	2,320	3,510
20	1,310	1,550	4,920	45,800	29,000	12,000	26,500	23,200	8,150	2,110	2,070	2,880
21	1,120	3,100	9,080	42,700	29,000	17,000	18,100	23,600	7,630	1,930	1,860	2,520
22	1,000	9,320	11,300	38,700	29,000	18,700	10,700	20,800	6,350	2,020	1,670	2,290
23	948	14,600	10,700	36,600	30,000	20,200	13,300	16,800	4,970	1,850	1,550	2,060
24	900	15,100	8,580	37,100	31,000	20,900	15,600	15,500	5,770	1,880	1,450	1,900
25	870	13,200	11,400	39,400	30,000	20,800	15,100	16,000	7,590	2,300	1,400	1,820
26	850	11,400	25,700	42,400	29,000	18,800	13,200	19,300	7,500	2,930	1,370	1,790
27	830	11,200	35,000	44,800	27,000	16,100	10,600	26,100	5,840	2,750	1,320	1,740
28	828	24,900	39,200	47,400	22,000	14,100	7,870	28,600	3,750	2,540	1,260	1,820
29	828	27,900	41,400	50,300	------	16,800	6,440	26,000	2,990	3,290	1,250	1,970
30	900	30,300	43,600	51,300	------	24,100	5,640	24,000	2,670	3,450	1,320	2,040
31	1,040	------	43,400	51,300	------	25,000	------	20,000	------	2,960	1,710	------
TOTAL	43,050	224,030	613,890	1,288,3M	894,000	363,800	705,650	431,640	397,350	85,570	67,650	156,550
MEAN	1,389	7,468	19,800	41,560	31,930	11,740	23,520	13,920	13,250	2,760	2,182	5,218
MAX	2,760	30,300	43,600	51,300	51,000	25,000	38,100	28,600	25,300	4,440	5,400	12,100
MIN	820	1,240	3,010	29,200	15,000	4,800	5,640	4,310	2,670	1,850	1,250	1,740
CFSM	.23	1.25	3.31	6.94	5.33	1.96	3.93	2.32	2.21	.46	.36	.87
IN.	.27	1.39	3.81	8.00	5.55	2.26	4.38	2.68	2.47	.53	.42	.97

CAL YR 1973 TOTAL 5,261,173 MEAN 14,410 MAX 164,000 MIN 720 CFSM 2.41 IN 32.67
WTR YR 1974 TOTAL 5,271,480 MEAN 14,440 MAX 51,300 MIN 820 CFSM 2.41 IN 32.74

NOTE.--No gage-height record Jan. 31 to Mar. 21.

02448000 Noxubee River at Macon, Miss.

LOCATION.--Lat 33°06'05", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw meridian, Noxubee County, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mile (0.3 km) upstream from Cedar Creek, 1.0 mile (1.6 km) downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 miles (2.4 km) downstream from Horse Hunters Creek, and 6.2 miles (10.0 km) upstream from Running Water Creek.

DRAINAGE AREA.--812 mi^2 (2,103 km^2).

PERIOD OF RECORD.--August 1928 to September 1932, September 1938 to current year. Monthly discharge only June to September 1932, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft (43.397 m) above mean sea level (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft (12 m) downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--40 years, 983 ft^3/s (27.84 m^3/s), 16.44 in/yr (418 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,100 ft^3/s (626 m^3/s) Apr. 13 (gage height, 29.85 ft or 9.098 m); minimum, 56 ft^3/s (1.59 m^3/s) Oct. 27, 28 (gage height, 6.08 ft or 1.853 m).
Period of record: Maximum discharge, 52,000 ft^3/s (1,470 m^3/s) Mar. 30, 1951 (gage height, 32.97 ft or 10.049 m); minimum, 22 ft^3/s (0.623 m^3/s) Aug. 25, 26, 1943 (gage height, 4.89 ft or 1.490 m).
Flood in July 1892 reached a stage of about 34 feet (10.4 m), present site and datum, from information by local residents, and has not been exceeded since. Flood in December 1926 reached a stage of about 30 feet (9.1 m).

REMARKS.--Records good. Occasional slight regulation by Bluff Lake at low water. Records for chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1624: 1929-30, 1932.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	65	3,850	6,330	5,950	1,130	4,140	520	346	343	155	150
2	111	81	2,330	5,380	5,300	832	3,960	448	475	278	241	230
3	138	69	1,560	3,850	4,680	796	4,170	406	601	237	226	457
4	157	68	1,700	3,620	3,680	661	5,800	367	478	216	157	457
5	129	78	2,420	3,490	1,870	577	7,240	359	430	244	172	241
6	136	135	1,800	3,500	1,320	526	6,280	378	1,690	724	152	195
7	104	129	1,140	6,020	3,040	490	4,870	351	2,130	823	134	230
8	99	331	829	8,610	3,800	478	2,270	323	2,090	451	133	859
9	91	835	607	7,980	3,400	448	970	313	2,490	508	162	523
10	101	455	481	10,800	2,630	424	733	290	2,250	469	136	383
11	95	255	394	15,600	2,370	406	619	290	2,080	409	125	538
12	87	264	336	13,300	2,310	397	2,380	535	1,790	336	152	493
13	80	190	300	11,200	1,770	610	14,600	961	1,150	288	161	400
14	79	145	290	10,300	1,180	676	17,800	595	757	246	346	359
15	83	124	273	11,000	4,310	580	10,100	475	532	205	535	349
16	93	113	273	10,800	5,570	484	10,100	553	409	187	430	273
17	115	107	244	8,350	5,880	424	8,980	628	338	191	349	224
18	120	95	216	6,320	5,460	380	6,820	457	285	209	257	170
19	79	86	205	5,490	4,920	383	5,630	349	281	496	189	143
20	66	86	1,330	4,950	4,640	1,710	4,140	290	313	278	164	129
21	65	732	1,740	4,760	4,450	3,420	1,450	253	271	255	152	120
22	71	1,030	1,170	4,280	4,880	3,350	1,610	233	260	293	140	112
23	67	690	1,010	3,740	4,860	2,560	3,180	233	349	303	131	108
24	63	555	811	4,410	4,550	2,210	2,920	241	1,510	264	125	102
25	60	402	3,320	5,950	3,530	2,160	2,090	216	1,560	269	118	105
26	58	277	9,060	12,200	2,900	1,860	2,000	1,910	1,500	233	115	162
27	56	822	14,400	14,200	2,720	1,150	2,090	4,230	1,640	203	112	181
28	58	5,180	10,700	15,300	2,070	811	1,860	3,410	1,540	195	111	159
29	58	5,230	8,740	16,200	------	2,810	1,100	1,090	868	189	114	235
30	65	4,990	9,430	11,500	------	4,330	676	571	472	174	120	380
31	63	------	8,010	7,440	------	4,700	------	412	------	162	136	------
TOTAL	2,723	23,619	88,969	256,870	104,040	41,773	140,578	21,687	30,885	9,678	5,750	8,467
MEAN	87.8	787	2,870	8,286	3,716	1,348	4,686	700	1,030	312	185	282
MAX	157	5,230	14,400	16,200	5,950	4,700	17,800	4,230	2,490	823	535	859
MIN	56	65	205	3,490	1,180	380	619	216	260	162	111	102
CFSM	.11	.97	3.53	10.2	4.58	1.66	5.77	.86	1.27	.38	.23	.35
IN.	.12	1.08	4.08	11.77	4.77	1.91	6.44	.99	1.41	.44	.26	.39

CAL YR 1973 TOTAL 653,887 MEAN 1,791 MAX 29,800 MIN 56 CFSM 2.21 IN 29.96
WTR YR 1974 TOTAL 735,039 MEAN 2,014 MAX 17,800 MIN 56 CFSM 2.48 IN 33.67

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-28	1500	23.97	5,530	02-17	1300	24.92	5,940
12-27	1000	28.52	15,100	04-05	1600	26.17	7,550
01-11	1200	28.77	16,400	04-13	2300	29.85	22,100
01-28	2400	28.95	17,200				

02448500 Noxubee River near Geiger, Ala.

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec. 33, T. 23 N., R. 3 W., Sumter County, near left bank on downstream side of bridge on State Highway 17, 0.5 mile (0.8 km) upstream from Woodards Creek, 1 mile (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 miles (6.4 km) north of Geiger, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--1,140 mi^2 (2,950 km^2), approximately.

PERIOD OF RECORD.--March 1939 to September 1940, July 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. (Monthly discharge only for period October to December 1966).

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft (26.237 m) above mean sea level. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mile (1.6 km) downstream at datum 84.64 ft (25.798 m) above mean sea level. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

AVERAGE DISCHARGE.--30 years (1939-40, 1944-65, 1966-74), 1,476 ft^3/s (41.80 m^3/s), 17.57 in/yr (446 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,600 ft^3/s (527 m^3/s) Apr. 16; (gage height 37.78 ft or 11.515 m); minimum discharge, 70 ft^3/s (1.98 m^3/s) Oct. 30, 31.
Period of record: Maximum discharge, 37,600 ft^3/s (1,060 m^3/s) Mar. 31, 1951 (gage height, 42.7 ft or 13.01 m); minimum discharge, 13 ft^3/s (0.37 m^3/s) July 7, 1954.

REMARKS.--Records fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mile north of gage.

REVISIONS.--WSP 1384: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	76	5,230	11,500	15,600	1,960	4,300	769	630	563	240	1,530
2	116	76	4,190	10,200	12,800	1,210	4,000	620	3,020	443	230	2,870
3	96	76	2,360	8,970	9,960	924	3,680	556	1,830	381	377	1,830
4	128	85	1,680	7,870	7,670	869	5,070	520	616	338	777	760
5	153	92	2,550	6,430	5,620	771	6,790	486	1,210	314	399	540
6	163	87	2,420	5,050	3,390	674	7,100	471	5,380	325	230	387
7	142	102	1,670	6,320	3,070	630	6,950	480	5,380	622	220	337
8	137	239	1,050	7,470	4,700	594	6,300	466	2,860	080	410	2,940
9	115	1,540	732	7,900	4,620	590	4,120	440	1,940	575	427	4,700
10	116	1,960	593	8,310	3,760	[illegible]8	1,310	426	2,090	553	296	1,950
11	109	852	538	9,250	2,760	549	690	420	1,930	503	230	578
12	109	415	486	10,800	2,280	615	2,640	558	1,730	471	220	546
13	104	357	438	11,700	2,170	562	13,400	1,050	1,610	420	308	536
14	97	314	406	12,700	1,850	639	16,900	949	1,060	363	1,420	484
15	91	248	408	14,200	5,310	723	17,800	642	663	355	818	432
16	97	198	429	14,400	7,960	675	18,100	744	504	304	625	428
17	100	176	397	13,600	8,440	582	15,700	617	438	276	605	363
18	105	167	366	12,200	7,660	524	13,100	549	416	269	588	319
19	131	157	327	11,100	7,520	539	11,200	419	387	278	385	269
20	124	144	1,630	10,200	7,430	4,060	9,740	309	363	443	296	235
21	96	1,080	3,410	9,570	6,490	5,130	8,100	249	389	648	240	216
22	83	1,700	2,480	7,900	6,520	4,640	5,090	229	377	478	220	199
23	80	1,390	1,540	6,270	6,720	3,780	4,420	246	370	518	200	186
24	81	864	1,220	5,720	5,980	2,720	4,030	270	454	590	190	178
25	80	646	3,870	6,560	4,920	2,160	3,110	280	1,240	381	180	175
26	77	525	11,400	7,190	3,650	2,050	2,280	416	1,460	359	175	236
27	74	559	14,100	7,900	2,730	1,820	2,000	3,190	1,380	329	170	326
28	73	3,590	13,200	8,580	2,430	1,290	2,000	4,050	1,470	296	166	337
29	72	6,210	12,400	11,200	------	2,430	1,830	3,290	1,410	276	175	1,510
30	71	5,830	12,100	13,800	------	4,320	1,210	1,280	922	260	180	1,300
31	72	------	12,300	16,200	------	4,390	------	434	------	250	520	------
TOTAL	3,265	29,755	115,920	301,060	164,010	52,988	202,960	25,425	43,529	13,061	11,517	26,697
MEAN	105	992	3,739	9,712	5,858	1,709	6,765	820	1,451	421	372	890
MAX	173	6,210	14,100	16,200	15,600	5,130	18,100	4,050	5,380	880	1,420	4,700
MIN	71	76	327	5,050	1,850	524	690	229	363	250	166	175
CFSM	.09	.87	3.28	8.52	5.14	1.50	5.93	.72	1.27	.37	.33	.78
IN.	.11	.97	3.78	9.82	5.35	1.73	6.62	.83	1.42	.43	.38	.87

CAL YR 1973 TOTAL 881,945 MEAN 2,416 MAX 20,100 MIN 71 CFSM 2.12 IN 28.78
WTR YR 1974 TOTAL 990,187 MEAN 2,713 MAX 18,100 MIN 71 CFSM 2.38 IN 32.31

02472000 Leaf River near Collins, Miss.

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens meridian, Covington County, on right bank at downstream side of bridge on U.S. Highway 84, 2 miles (3 km) downstream from Oakohay Creek, 8 miles (13 km) upstream from Big Creek, 9.5 miles (15.3 km) northeast of Collins, and at mile 114.5 (184.2 km).

DRAINAGE AREA.--752 mi^2 (1,948 km^2).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft (60.192 m) above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 1,052 ft^3/s (29.79 m^3/s), 19.00 in/yr (483 mm/yr).

EXTREMES.--Current year: Maximum discharge, 54,200 ft^3/s (1,540 m^3/s) Apr. 14 (gage height, 32.6 ft or 9.936 m, from floodmark); minimum, 180 ft^3/s (5.10 m^3/s) Oct. 28 (gage height, 4.50 ft or 1.372 m).
Period of record: Maximum discharge, 54,200 ft^3/s (1,540 m^3/s) Apr. 14, 1974 (gage height, 32.6 ft or 9.936 m, from floodmark); minimum, 55 ft^3/s (1.56 m^3/s) Aug. 28-30, 1957.
Flood in April 1856 reached a stage of about 33 ft (10.1 m), and the flood in April 1900 reached a stage of 32 ft (9.8 m), from information by local residents.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 2106 (corrected): 1950(M). WRD Miss. 1973: 1950(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	517	220	711	5,330	2,490	914	1,330	1,190	573	396	415	1,070
2	461	219	458	4,520	1,990	875	4,130	1,130	1,560	375	344	824
3	413	215	377	3,780	1,650	832	4,160	1,090	1,210	357	466	1,450
4	319	211	504	3,250	1,340	796	4,560	1,080	978	347	344	940
5	273	443	1,110	3,220	1,100	756	3,870	1,360	898	340	295	595
6	244	552	1,180	3,110	1,010	717	2,250	1,450	3,090	393	271	458
7	224	491	954	3,510	1,530	699	1,220	1,220	4,080	386	283	396
8	212	382	549	3,520	2,360	663	914	1,060	3,240	371	482	3,040
9	206	359	414	3,670	2,790	641	777	964	2,210	337	396	3,960
10	251	333	363	3,430	2,150	624	667	898	1,680	317	357	2,970
11	362	295	334	2,800	1,360	620	601	1,140	1,160	304	295	1,990
12	310	269	315	4,280	978	1,500	2,630	2,460	852	292	260	1,320
13	256	249	304	4,400	836	2,270	32,000	2,260	783	277	361	820
14	227	235	295	4,030	764	1,840	51,000	1,650	801	271	912	622
15	217	224	289	3,840	964	1,480	44,100	1,170	654	277	512	503
16	236	219	301	3,890	5,670	1,000	25,600	1,200	595	327	344	434
17	336	212	304	4,000	7,000	792	11,000	964	538	347	411	378
18	384	206	296	3,020	9,860	677	5,050	847	507	320	533	333
19	331	202	288	1,910	6,240	652	3,750	778	482	286	797	298
20	262	201	1,610	3,960	4,260	808	2,770	723	462	274	631	271
21	232	416	2,540	6,380	3,610	1,390	2,230	691	438	311	458	251
22	215	724	2,570	8,200	3,220	1,580	1,990	1,130	415	283	347	237
23	205	946	1,980	7,610	2,980	1,280	2,800	1,470	1,140	327	295	217
24	197	765	1,120	5,690	2,800	968	3,240	1,020	2,700	1,270	268	200
25	191	481	6,060	6,600	2,080	912	3,170	856	1,510	843	248	192
26	186	425	12,800	6,520	1,490	1,100	2,160	751	964	1,130	237	242
27	183	425	12,900	7,310	1,160	2,940	1,650	806	672	949	240	386
28	181	1,290	14,100	6,700	1,000	3,580	1,450	815	542	595	466	386
29	183	1,060	10,200	6,310	------	3,230	1,330	737	474	454	1,040	1,260
30	186	1,180	4,070	5,320	------	2,650	1,260	663	427	389	700	1,290
31	198	------	3,690	4,160	------	2,070	------	613	------	533	1,380	------
TOTAL	8,198	13,449	82,985	144,270	74,684	40,696	223,659	34,186	35,635	13,678	14,388	27,343
MEAN	264	448	2,677	4,654	2,667	1,319	7,455	1,103	1,188	441	464	912
MAX	517	1,290	14,100	8,200	9,860	3,580	51,000	2,460	4,080	1,270	1,380	3,960
MIN	181	201	288	1,910	764	620	601	613	415	271	237	192
CFSM	.35	.60	3.56	6.19	3.55	1.75	9.91	1.47	1.58	.59	.62	1.21
IN.	.41	.67	4.11	7.14	3.69	2.02	11.06	1.69	1.76	.68	.71	1.35

CAL YR 1973 TOTAL 749,134 MEAN 2,052 MAX 20,000 MIN 181 CFSM 2.73 IN 37.06
WTR YR 1974 TOTAL 713,391 MEAN 1,954 MAX 51,000 MIN 181 CFSM 2.60 IN 35.29

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-28	1400	21.34	14,300	02-18	1500	18.27	10,300
01-22	2000	17.15	8,500	04-14	a	†32.6	54,200

† From floodmark.
a About 2100.

Note:-- No gage-height record Apr. 13 at 1600 to Apr. 14 at 2400.

02472500 Bowie Creek near Hattiesburg, Miss.

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens meridian, Forrest County, on left bank 25 ft (8 m) downstream from upstream bridge of dual bridges on U.S. Highway 49, 1 mile (2 km) upstream from Okatoma Creek, 2 miles (3 km) southwest of Lux, and 10 miles (16 km) northwest of Hattiesburg.

DRAINAGE AREA.--304 mi^2 (787 km^2).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft (48.780 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 439 ft^3/s (12.43 m^3/s), 19.61 in/yr (498 mm/yr).

EXTREMES.--Current year: Maximum discharge, 45,500 ft^3/s (1,290 m^3/s) Apr. 14 (gage height, 28.18 ft or 8.589 m, from floodmark); minimum, 156 ft^3/s (4.42 m^3/s) Oct. 10; minimum gage height, 2.82 ft (0.860 m) Oct. 23.

Period of record: Maximum discharge, 45,500 ft^3/s (1,290 m^3/s) Apr. 14, 1974 (gage height, 28.18 ft or 8.589 m, from floodmark); minimum, 83 ft^3/s (2.35 m^3/s) Aug. 29, 1957; minimum gage height, 2.37 ft (0.722 m) Sept. 16, 17, 1972.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1906: 1943(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	389	199	327	1,630	798	350	421	389	315	236	254	279
2	391	205	270	1,770	725	356	1,080	403	417	234	251	309
3	342	192	242	1,170	813	350	1,220	434	463	235	309	541
4	319	184	315	1,440	542	344	1,050	389	357	240	336	771
5	220	464	455	1,310	530	338	930	571	331	244	266	459
6	189	562	372	981	473	332	515	821	477	286	248	306
7	173	420	289	800	1,550	326	432	497	441	360	275	320
8	164	297	254	749	1,990	324	392	396	427	304	269	1,300
9	159	242	234	656	994	316	370	351	335	257	267	2,100
10	160	229	226	594	511	311	344	346	306	250	254	1,870
11	199	232	219	810	513	316	324	649	495	241	241	1,050
12	210	231	215	1,410	466	950	513	1,160	505	235	230	521
13	177	204	213	1,080	436	1,100	6,670	1,020	334	231	225	375
14	167	194	212	798	419	768	33,500	595	300	228	226	324
15	164	190	222	675	471	534	25,700	423	303	232	225	299
16	182	188	227	532	1,340	417	7,950	354	291	317	226	285
17	245	186	215	453	1,170	374	3,070	340	283	252	227	272
18	250	185	208	433	813	348	1,250	326	272	250	261	259
19	212	182	209	409	700	336	854	314	265	234	282	248
20	184	183	606	1,420	586	340	690	306	268	229	264	238
21	172	368	572	2,270	530	372	606	303	261	248	254	232
22	166	428	504	2,450	511	423	560	741	254	276	234	226
23	165	373	400	1,900	568	398	513	3,620	277	241	220	220
24	171	323	308	1,650	482	360	637	1,810	299	252	215	216
25	170	270	4,380	3,110	429	368	551	665	302	264	212	215
26	169	249	13,500	2,970	392	394	488	472	275	277	223	229
27	168	251	9,980	2,270	374	1,860	449	423	254	314	234	271
28	168	533	4,420	1,780	355	2,290	425	399	246	655	243	280
29	167	548	1,740	1,730	------	1,410	409	353	241	551	235	253
30	167	511	935	1,420	------	741	400	338	238	299	247	247
31	181	------	741	1,010	------	508	------	322	------	275	237	------
TOTAL	6,360	8,823	43,011	41,690	19,993	17,964	92,513	19,600	9,834	8,767	7,691	14,515
MEAN	205	294	1,387	1,345	714	579	3,084	632	328	283	248	484
MAX	391	562	13,500	3,110	1,990	2,290	33,500	3,620	505	655	336	2,100
MIN	159	182	208	409	365	311	324	303	238	228	212	215
CFSM	.67	.97	4.56	4.42	2.35	1.90	10.1	2.08	1.08	.93	.82	1.59
IN.	.78	1.08	5.26	5.10	2.45	2.20	11.32	2.40	1.20	1.07	.94	1.78

CAL YR 1973 TOTAL 255,912 MEAN 701 MAX 13,500 MIN 149 CFSM 2.31 IN 31.32
WTR YR 1974 TOTAL 298,761 MEAN 797 MAX 33,500 MIN 159 CFSM 2.62 IN 35.58

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-26	1900	22.53	15,300	05-23	1000	13.96	4,080
04-14	Unknown	†28.18	45,500				

† From floodmark

NOTE: No gage-height record Apr. 14-16.

02473000 Leaf River at Hattiesburg, Miss.

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens meridian, Forrest County, on left bank at downstream side of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 300 ft (90 m) downstream from Bowie Creek, 3,000 ft (900 m) upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8 (115.5 km).

DRAINAGE AREA.--1,760 mi^2 (4,560 km^2), approximately.

PERIOD OF RECORD.--September 1938 to current year. Gage-height records collected in the same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft (36.037 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 2,588 ft^3/s (73.29 m^3/s), 19.97 in/yr (507 mm/yr).

EXTREMES.--Current year: Maximum discharge, 121,000 ft^3/s (3,430 m^3/s) Apr. 15 (gage height, 34.03 ft or 10.372 m); minimum, 780 ft^3/s (22.1 m^3/s) July 14 (gage height, 3.90 ft or 1.189 m).
Period of record: Maximum discharge, 121,000 ft^3/s (3,430 m^3/s) Apr. 15, 1974 (gage height, 34.03 ft or 10.372 m); minimum, 318 ft^3/s (9.01 m^3/s) Oct. 22, 1963; minimum gage height, 3.38 ft (1.030 m) Sept. 17, 18, 1972.
Flood in April 1900 reached a stage of about 33.6 ft (10.24 m) from reports of National Weather Service.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,740	920	2,610	10,200	7,370	2,360	3,460	2,110	1,380	976	1,140	2,400
2	2,380	990	1,910	11,200	5,540	2,260	5,060	2,030	1,690	934	1,030	2,170
3	1,940	888	1,570	8,830	5,290	2,200	8,590	2,090	2,360	906	1,050	2,580
4	1,810	825	1,730	9,090	4,380	2,130	8,180	1,960	2,090	906	1,470	3,440
5	1,300	1,580	2,600	8,260	3,560	2,070	7,890	2,260	1,750	941	1,200	2,640
6	1,070	2,640	2,830	7,160	3,070	2,010	6,400	3,350	2,200	1,030	983	1,650
7	961	2,380	2,500	6,520	6,400	1,950	3,700	2,710	5,130	1,130	1,090	1,700
8	916	2,050	2,050	6,830	7,980	1,870	2,680	2,140	5,560	1,140	1,210	6,470
9	904	1,720	1,630	6,380	6,320	1,800	2,350	1,890	4,190	1,010	1,200	9,990
10	904	1,620	1,460	6,300	5,180	1,760	2,110	1,750	2,910	927	1,070	10,100
11	1,030	1,700	1,360	6,340	4,060	1,740	1,930	2,960	2,630	871	969	7,160
12	1,110	1,490	1,310	8,400	3,160	2,710	2,160	7,290	2,170	836	864	4,800
13	1,090	1,370	1,280	8,230	2,730	5,230	19,100	5,940	1,660	808	808	3,230
14	930	1,280	1,260	7,460	2,540	4,810	39,000	4,270	1,660	794	1,420	2,310
15	893	1,240	1,280	6,660	2,580	3,820	110,000	2,940	2,400	913	2,170	1,860
16	880	1,220	1,290	6,250	6,010	2,870	85,100	2,170	1,790	1,200	1,420	1,660
17	1,120	1,190	1,260	6,060	9,070	2,260	51,400	2,120	1,400	1,250	1,260	1,540
18	1,320	1,170	1,240	5,860	9,300	2,020	30,100	2,010	1,260	1,020	1,750	1,440
19	1,250	1,150	1,240	4,620	10,800	1,890	16,100	1,760	1,190	906	2,030	1,350
20	1,080	1,130	2,630	6,420	9,780	1,880	6,640	1,570	1,140	843	1,810	1,300
21	922	1,350	4,440	9,840	6,710	2,360	4,520	1,490	1,090	878	1,420	1,250
22	843	2,410	4,520	11,400	5,860	3,140	3,730	1,810	1,050	997	1,120	1,200
23	804	2,470	4,100	12,300	5,360	3,060	3,760	8,640	1,130	906	941	1,140
24	796	2,400	3,370	12,700	4,930	2,600	4,560	7,630	2,190	1,050	857	1,120
25	790	2,080	10,600	13,900	4,410	2,280	4,620	3,310	3,080	1,600	808	1,090
26	762	1,690	31,500	14,700	3,420	2,760	4,150	2,140	2,070	1,520	808	1,140
27	751	1,590	40,100	13,700	2,830	7,440	3,110	1,830	1,490	1,980	864	1,330
28	746	2,520	34,300	12,600	2,520	10,600	2,600	1,780	1,220	2,500	976	1,490
29	740	3,620	24,500	12,700	------	8,410	2,360	1,670	1,100	2,100	1,430	1,420
30	735	3,190	18,100	11,100	------	6,170	2,220	1,520	1,020	1,290	1,820	2,120
31	795	------	10,500	9,090	------	4,580	------	1,410	------	1,180	1,930	------
TOTAL	33,312	51,873	221,070	281,140	151,160	103,040	447,580	88,550	62,000	35,342	38,918	83,090
MEAN	1,075	1,729	7,131	9,069	5,399	3,324	14,920	2,856	2,067	1,140	1,255	2,770
MAX	2,380	3,620	40,100	14,700	10,800	10,600	110,000	8,640	5,560	2,500	2,170	10,100
MIN	735	825	1,240	4,620	2,520	1,740	1,930	1,410	1,020	794	808	1,090
CFSM	.61	.98	4.05	5.15	3.07	1.89	8.48	1.62	1.17	.65	.71	1.57
IN.	.70	1.10	4.67	5.94	3.19	2.18	9.46	1.87	1.31	.75	.82	1.76

CAL YR 1973 TOTAL 1,634,288 MEAN 4,478 MAX 40,100 MIN 735 CFSM 2.54 IN 34.54
WTR YR 1974 TOTAL 1,597,075 MEAN 4,376 MAX 110,000 MIN 735 CFSM 2.49 IN 33.76

02473500 Tallahala Creek at Laurel, Miss.

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens meridian, Jones County, on right bank at downstream side of bridge on State Highway 15, 0.5 mile (0.8 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mile (0.8 km) southeast of city limits of Laurel, and 6 miles (10 km) upstream from Tallahoma Creek.

DRAINAGE AREA.--233 mi^2 (603 km^2).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft (61.378 m) above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 335 ft^3/s (9.487 m^3/s), 19.52 in/yr (496 mm/yr).

EXTREMES.--Current year: Maximum discharge, 23,300 ft^3/s (660 m^3/s) Apr. 14 (gage height, 23.28 ft or 7.096 m, from floodmark); minimum, 28 ft^3/s (0.793 m^3/s) Oct. 26 (gage height, 2.38 ft or 0.725 m).
Period of record: Maximum discharge, 23,300 ft^3/s (660 m^3/s) Apr. 14, 1974 (gage height, 23.28 ft or 7.096 m, from floodmark); minimum, 1.8 ft^3/s (0.051 m^3/s) Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft (0.369 m) Oct. 31, Nov. 1, 1963.
Maximum stage known since at least 1880, about 26 ft (7.9 m) Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft (7.3 m), from information by local residents. Flood in April 1938 reached a stage of 20.7 ft (6.31 m) from information by Mississippi State Highway Department.

REMARKS.--Records good except those for period of no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	314	40	240	2,220	1,400	259	996	215	87	58	69	118
2	241	50	170	2,000	1,100	245	900	204	86	54	179	132
3	134	44	120	2,230	870	233	921	194	104	50	110	149
4	90	48	160	2,230	680	222	1,130	189	105	46	64	285
5	75	102	280	2,150	550	210	1,330	269	92	44	87	305
6	70	110	270	1,990	450	201	1,660	637	818	42	98	170
7	56	101	247	1,710	940	192	1,580	500	1,240	43	66	304
8	48	81	163	1,460	830	182	736	292	1,140	44	65	956
9	43	63	120	1,290	680	173	352	214	1,930	50	48	1,060
10	40	100	103	1,140	580	164	288	182	2,200	47	61	912
11	40	119	92	1,180	500	171	244	592	1,320	42	43	894
12	39	78	83	1,100	400	350	399	1,380	314	40	39	966
13	38	49	75	1,000	320	577	2,800	1,300	197	37	94	585
14	37	41	74	900	300	577	18,400	1,100	186	36	113	206
15	40	39	78	840	310	556	12,200	806	192	53	85	156
16	55	37	84	810	800	328	5,730	281	206	40	116	126
17	60	35	68	800	1,500	244	3,530	227	147	35	218	107
18	69	33	69	790	1,210	207	2,600	197	115	33	175	95
19	55	33	72	780	1,420	197	2,020	165	101	44	249	84
20	52	32	206	1,100	1,960	239	1,230	148	91	41	322	75
21	42	107	389	1,200	1,750	363	524	125	82	41	315	68
22	36	136	503	910	1,150	518	412	279	76	35	165	62
23	33	206	567	820	869	613	430	752	79	33	91	55
24	33	172	350	1,470	733	678	539	884	93	75	62	49
25	30	108	2,150	1,550	696	528	630	690	202	55	49	48
26	31	84	6,820	1,580	437	300	559	276	212	74	49	52
27	33	89	13,400	1,600	314	661	346	191	122	81	54	63
28	31	206	9,960	1,640	277	1,060	285	170	86	52	48	106
29	29	430	4,880	1,700	------	1,090	254	143	72	46	41	167
30	30	300	3,060	1,600	------	1,070	231	114	61	62	67	241
31	41	------	2,340	1,500	------	1,110	------	94	------	64	110	------
TOTAL	1,965	3,073	47,193	43,290	23,026	13,518	63,256	12,810	11,756	1,497	3,352	8,596
MEAN	63.4	102	1,522	1,396	822	436	2,109	413	392	48.3	108	287
MAX	314	430	13,400	2,230	1,960	1,110	18,400	1,380	2,200	81	322	1,060
MIN	29	32	68	780	277	164	231	94	61	33	39	48
CFSM	.27	.44	6.53	5.99	3.53	1.87	9.05	1.77	1.68	.21	.46	1.23
IN.	.31	.49	7.53	6.91	3.68	2.16	10.10	2.05	1.88	.24	.54	1.37

CAL YR 1973 TOTAL 228,319 MEAN 626 MAX 13,400 MIN 29 CFSM 2.69 IN 36.45
WTR YR 1974 TOTAL 233,332 MEAN 639 MAX 18,400 MIN 29 CFSM 2.74 IN 37.25

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-27	1530	21.18	14,700	04-14	Unknown	†23.28	23,300

†From floodmark.

NOTE.--No gage-height record Jan. 12 to Feb. 19, Apr. 14.

02474500 Tallahala Creek near Runnelstown, Miss.

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 miles (5 km) south of Runnelstown, and 9 miles (14 km) upstream from mouth.

DRAINAGE AREA.--612 mi^2 (1,585 km^2).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft (31.876 m) above mean sea level. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--35 years, 912 ft^3/s (25.83 m^3/s), 20.24 in/yr (514 mm/yr).

EXTREMES.--Current year: Maximum discharge, 27,900 ft^3/s (790 m^3/s) Apr. 16 (gage height, 28.44 ft or 8.669 m); minimum, 135 ft^3/s (3.82 m^3/s) July 20; minimum gage height, 5.78 ft (1.762 m) Oct. 30-31.
Period of record: Maximum discharge, 32,800 ft^3/s (929 m^3/s) Feb. 24, 1961 (gage height, 29.84 ft or 9.095 m in gage well, 30.07 ft or 9.165 m from outside gage, present datum); minimum, 29 ft^3/s (0.82 m^3/s) Oct. 31, 1963; minimum gage height, 4.89 ft (1.490 m), present datum, Sept. 15-19, 21, 1972.
Maximum stage since about 1865, 30½ ft (9¼ m) in April 1900; flood in December 1919 reached a stage of 26½ ft (8 m), and flood in about 1865 reached a stage between 26½ ft (8 m) and 30½ ft (9¼ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	810	175	1,050	7,040	4,040	850	2,320	548	428	246	219	1,370
2	990	192	718	5,000	3,510	786	2,710	646	748	229	231	797
3	878	188	463	4,300	2,940	738	3,900	633	502	217	361	1,240
4	501	192	614	3,900	2,100	698	3,240	595	469	198	555	1,190
5	328	393	1,140	3,600	1,550	653	2,950	638	748	185	383	919
6	262	718	1,070	3,400	1,300	628	2,730	729	961	180	258	748
7	233	492	850	3,200	2,970	594	2,820	1,330	2,740	187	274	931
8	213	377	718	3,000	2,500	567	2,920	1,310	2,950	176	289	3,170
9	197	308	528	2,900	2,160	537	2,130	885	2,820	174	291	4,030
10	204	660	401	2,970	1,880	513	1,120	652	2,970	158	251	3,870
11	196	766	344	2,900	1,590	495	854	1,690	3,490	154	207	3,140
12	181	360	311	3,540	1,230	770	790	5,450	3,480	156	193	2,330
13	173	262	294	3,240	1,030	1,550	5,590	4,750	1,420	152	169	1,900
14	165	230	280	2,870	930	1,700	8,290	3,980	774	152	339	1,210
15	162	213	292	2,630	958	1,530	12,300	3,220	568	145	959	700
16	188	209	317	2,570	2,190	1,390	26,400	2,300	575	156	490	531
17	537	214	276	2,640	2,820	974	19,300	1,130	723	241	519	435
18	452	206	259	2,660	2,540	722	12,300	895	544	158	372	375
19	308	189	264	2,480	2,570	518	8,590	821	429	143	912	330
20	251	180	1,090	3,450	2,740	621	6,070	572	378	137	1,070	298
21	216	284	1,390	3,600	3,030	554	4,110	572	341	141	704	258
22	196	540	1,320	2,850	3,740	1,140	1,980	556	315	158	589	235
23	175	698	1,270	2,570	3,180	1,380	1,460	2,650	310	147	403	217
24	165	591	1,290	3,180	2,400	1,480	1,380	3,270	364	154	285	200
25	158	483	2,150	4,040	1,860	1,460	1,380	2,590	397	231	231	191
26	153	380	8,040	4,400	1,510	1,390	1,390	1,850	575	214	205	200
27	149	333	12,600	4,470	1,220	2,910	1,250	955	562	217	191	238
28	149	778	16,100	4,550	982	3,530	955	591	463	550	210	235
29	146	1,170	18,200	4,910	------	3,230	807	598	333	420	299	277
30	146	1,240	15,400	4,880	------	2,880	735	521	277	246	350	356
31	153	------	11,300	4,500	------	2,550	------	454	------	202	720	------
TOTAL	9,035	13,021	100,339	112,240	61,850	39,748	142,922	47,801	31,855	6,254	12,924	31,594
MEAN	291	434	3,237	3,621	2,209	1,282	4,764	1,542	1,062	202	417	1,055
MAX	990	1,240	18,200	7,040	4,040	3,530	26,400	5,450	3,490	550	1,070	4,030
MIN	146	175	259	2,480	930	495	735	454	277	137	168	191
CFSM	.48	.71	5.29	5.92	3.61	2.09	7.78	2.52	1.74	.33	.68	1.73
IN.	.55	.79	6.10	6.82	3.76	2.42	8.69	2.91	1.94	.38	.79	1.93

CAL YR 1973 TOTAL 575,611 MEAN 1,577 MAX 18,200 MIN 145 CFSM 2.58 IN 34.99
WTR YR 1974 TOTAL 609,683 MEAN 1,670 MAX 25,400 MIN 137 CFSM 2.73 IN 37.06

02474600 Bogue Homo near Richton, Miss.

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens meridian, Perry County, at bridge on county highway, 0.5 mile (0.8 km) upstream from Linda Creek, 1.0 mile (1.6 km) downstream from Sweetwater Creek, 3.5 miles (5.6 km) upstream from State Highway 42, and 6.0 miles (9.7 km) northwest of Richton.

DRAINAGE AREA.--344 mi^2 (891 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft or 35.7 m (from topographic map).

EXTREMES.--Current year: Maximum discharge, 21,900 ft^3/s (620 m^3/s) Dec. 28 (gage height, 27.63 ft or 8.422 m, from floodmark); minimum, 19 ft^3/s (0.538 m^3/s) part or all of each day July 13-18 (gage height, 3.79 ft or 1.155 m).

Period of record: Maximum discharge, 21,900 ft^3/s (620 m^3/s) Dec. 28, 1973 (gage height, 27.63 ft or 8.422 m, from floodmark); minimum, 7.0 ft^3/s (0.20 m^3/s) Sept. 16, 1972 (gage height, 3.60 ft or 1.097 m).

A flood prior to January 1941, reached a stage of 26½ ft (8 m) and the flood of Mar. 21, 1943, reached a stage of 25.7 ft (7.83 m) at site 3.5 miles (5.6 km) downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 ft^3/s (0.13 m^3/s) was measured Oct. 16, 1963.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	35	494	2,170	1,960	374	1,530	144	122	45	66	680
2	262	29	338	1,540	1,590	352	1,500	126	178	41	75	1,400
3	416	31	255	1,040	1,350	355	1,400	118	170	35	83	2,130
4	460	29	491	1,060	1,020	352	2,130	132	190	32	500	2,210
5	279	86	890	1,450	760	340	2,700	642	187	29	337	1,440
6	154	88	772	1,600	665	331	2,040	428	175	27	340	936
7	100	135	634	1,420	1,780	322	1,580	390	1,070	26	280	931
8	76	110	510	1,220	2,370	295	1,220	510	1,550	25	150	3,870
9	66	99	345	1,080	1,760	182	810	561	2,310	24	153	4,310
10	59	121	291	981	1,300	140	465	328	2,100	22	240	4,300
11	52	286	280	1,100	1,200	136	349	295	1,540	24	240	3,230
12	47	369	272	1,660	1,040	254	393	1,580	1,150	22	166	2,370
13	42	290	265	1,650	748	575	3,480	2,220	486	20	111	1,760
14	38	205	257	1,260	510	597	8,220	2,170	246	20	166	1,290
15	36	174	309	1,080	507	575	11,600	2,440	564	20	445	700
16	43	176	304	999	1,140	638	9,690	2,080	680	19	438	316
17	61	176	259	859	1,350	579	5,180	1,490	435	21	346	218
18	85	186	234	740	1,230	364	2,850	684	202	29	304	166
19	132	185	200	740	1,480	268	2,000	274	195	60	422	138
20	144	183	904	1,600	1,870	254	1,450	274	136	47	634	122
21	133	263	1,090	2,390	1,810	442	850	182	132	37	546	102
22	120	426	806	2,200	2,290	653	462	166	102	28	402	84
23	113	483	636	1,750	2,070	638	370	684	86	33	226	73
24	103	422	432	2,200	1,290	619	435	1,270	79	48	120	79
25	64	292	967	2,810	990	604	469	1,150	79	33	84	79
26	43	221	3,520	3,300	805	561	472	1,010	86	55	69	75
27	35	221	13,800	3,220	593	1,920	409	859	78	51	100	76
28	32	569	19,900	2,900	438	2,500	271	510	67	43	130	140
29	28	713	8,840	3,060	------	2,090	200	229	60	65	159	109
30	25	600	4,560	3,080	------	1,630	168	159	52	150	238	128
31	32	------	2,810	2,510	------	1,640	------	130	------	142	367	------
TOTAL	3,345	7,203	65,655	54,669	35,916	20,580	64,693	23,235	14,507	1,273	7,937	33,462
MEAN	108	240	2,118	1,764	1,283	664	2,156	750	484	41.1	256	1,115
MAX	460	713	19,900	3,300	2,370	2,500	11,600	2,440	2,310	150	634	4,310
MIN	25	29	200	740	438	136	168	118	52	19	66	73
CFSM	.31	.70	6.16	5.13	3.73	1.93	6.27	2.18	1.41	.12	.74	3.24
IN.	.36	.78	7.10	5.91	3.88	2.23	7.00	2.51	1.57	.14	.86	3.62

CAL YR 1973 TOTAL 277,703 MEAN 761 MAX 19,900 MIN 24 CFSM 2.21 IN 30.03
WTR YR 1974 TOTAL 332,485 MEAN 911 MAX 19,900 MIN 19 CFSM 2.65 IN 35.95

02475000 Leaf River near McLain, Miss.

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 miles (1.9 km) east of McLain, 2 miles (3 km) downstream from Atkinson Creek, 6 miles (10 km) upstream from Big Oktibee Creek, and 14.6 miles (23.5 km) upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,510 mi^2 (9,090 km^2), approximately.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft (12.847 m) above mean sea level. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 5,244 ft^3/s (148.5 m^3/s), 20.29 in/yr (515 mm/yr).

EXTREMES.--Current year: Maximum discharge, 110,000 ft^3/s (3,115 m^3/s) Apr. 18 (gage height, 30.38 ft or 9.260 m); minimum, 1,190 ft^3/s (33.7 m^3/s) Oct. 30, 31 (gage height, 2.99 ft or 0.911 m).
Period of record: Maximum discharge, 128,000 ft^3/s (3,620 m^3/s) Feb. 26, 1961 (gage height, 31.64 ft or 9.644 m); minimum, 478 ft^3/s (13.5 m^3/s) Oct. 22, 1963; minimum gage height, 1.78 ft (0.543 m) Oct. 28, 29; Nov. 1, 2, 1968.
Flood in April 1900 reached a stage of about 32 ft (9.8 m), from information by local residents.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,190	1,330	5,430	50,200	23,900	5,380	13,200	4,180	2,570	1,900	1,920	3,490
2	3,210	1,410	4,470	40,000	20,500	4,860	11,100	3,920	3,330	1,790	1,950	6,550
3	4,890	1,440	3,390	30,600	17,300	4,600	12,100	3,740	3,740	1,780	1,940	8,700
4	3,950	1,420	3,200	25,400	14,200	4,420	14,200	3,680	3,540	1,700	1,970	9,030
5	3,290	1,710	4,810	21,400	10,800	4,240	15,100	3,880	3,550	1,670	2,730	8,220
6	2,540	2,880	5,530	18,900	8,170	4,060	15,000	4,750	4,280	1,700	2,330	6,430
7	2,070	3,610	5,170	17,200	9,230	3,890	14,000	5,490	4,470	1,740	2,020	5,330
8	1,810	3,120	4,440	15,700	14,900	3,740	11,500	5,290	8,870	1,790	2,140	13,300
9	1,650	2,610	3,710	14,500	16,500	3,580	9,180	4,650	10,500	1,750	2,110	18,900
10	1,650	2,230	3,010	13,400	15,000	3,380	6,580	3,970	10,800	1,650	2,070	20,300
11	1,660	2,470	2,620	12,400	11,900	3,270	4,930	3,620	10,300	1,580	1,900	21,000
12	1,700	2,620	2,370	12,800	9,510	4,160	4,310	8,600	9,110	1,520	1,750	20,500
13	1,790	2,220	2,230	14,800	7,760	6,070	14,100	14,000	7,540	1,470	1,630	16,900
14	1,670	1,970	2,140	15,400	6,560	8,060	30,900	14,800	5,300	1,450	1,560	11,400
15	1,550	1,800	2,080	14,500	5,770	7,970	43,800	13,100	3,890	1,430	2,250	7,310
16	1,510	1,720	2,190	12,900	6,740	6,920	58,100	10,600	4,280	1,580	3,450	5,020
17	1,590	1,680	2,230	11,800	10,400	5,860	96,800	7,880	3,800	1,670	2,810	3,890
18	1,960	1,640	2,120	11,200	13,200	4,770	106,000	5,550	3,170	1,810	2,510	3,380
19	2,090	1,600	2,020	10,800	14,400	4,040	84,600	4,270	2,920	1,610	3,080	3,030
20	2,030	1,540	5,010	12,500	15,500	3,740	61,200	3,570	2,770	1,510	3,540	2,770
21	1,850	1,680	8,030	17,300	16,500	4,870	44,400	3,240	2,560	1,450	3,500	2,590
22	1,650	2,500	8,360	18,100	16,100	5,750	28,900	3,030	2,460	1,400	2,870	2,450
23	1,540	3,650	7,660	18,100	15,400	5,040	16,100	3,740	2,310	1,540	2,410	2,290
24	1,450	3,740	6,830	18,600	13,900	5,050	10,400	10,200	2,250	2,040	1,980	2,150
25	1,400	3,580	6,240	21,200	11,200	5,750	9,380	12,900	2,890	1,900	1,560	2,050
26	1,330	3,300	15,900	23,400	9,240	5,120	8,940	9,900	3,500	2,090	1,500	2,010
27	1,290	2,750	24,100	25,600	7,590	14,100	7,990	5,050	3,060	2,030	1,440	2,040
28	1,250	3,520	34,100	26,600	6,330	19,900	6,390	4,440	2,520	2,370	1,460	2,240
29	1,240	5,500	51,700	27,200	------	20,300	5,190	3,640	2,260	2,940	1,550	2,420
30	1,210	6,140	63,900	27,600	------	19,300	4,570	3,190	2,040	2,670	1,930	2,400
31	1,220	------	59,600	26,300	------	16,700	------	2,890	------	2,180	2,410	------
TOTAL	60,230	77,380	354,590	626,400	348,700	222,090	768,960	192,730	135,280	55,730	68,570	218,120
MEAN	1,943	2,579	11,440	20,210	12,450	7,164	25,530	6,219	4,509	1,798	2,212	7,271
MAX	4,890	6,140	63,900	50,200	23,900	20,300	106,000	14,800	10,800	2,940	3,540	21,000
MIN	1,210	1,330	2,020	10,800	5,770	3,270	4,310	2,890	2,040	1,400	1,440	2,010
CFSM	.55	.73	3.26	5.76	3.55	2.04	7.30	1.77	1.28	.51	.63	2.07
IN.	.64	.82	3.76	6.64	3.70	2.35	8.15	2.04	1.43	.59	.73	2.31

CAL YR 1973 TOTAL 728,760 MEAN 1,997 MAX 63,900 MIN 1,210 CFSM .57 IN 7.72
WTR YR 1974 TOTAL 3,128,830 MEAN 8,572 MAX 106,000 MIN 1,210 CFSM 2.44 IN 33.15

02475500 Chunky River near Chunky, Miss.

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ sec.30, T.6 N., R.14 E., Choctaw meridian, Lauderdale County, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft (762 m) upstream from Illinois Central Railroad bridge, 1.2 miles (1.9 km) east of Chunky, 3.2 miles (5.1 km) upstream from Tallahatta Creek, and 5.5 miles (8.8 km) downstream from Concobona Creek.

DRAINAGE AREA.--368 mi^2 (953 km^2).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1963, published as Chunky Creek near Chunky.

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft (81.991 m) above mean sea level. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 462 ft^3/s (13.08 m^3/s), 17.05 in/yr (433 mm/yr).

EXTREMES.--Current year: Maximum discharge, 29,800 ft^3/s (844 m^3/s) Apr. 13 (gage height, 25.45 ft or 7.757 m); minimum, 36 ft^3/s (1.020 m^3/s) Aug. 28 (gage height, 2.68 ft or 0.817 m).
Period of record: Maximum discharge, 30,800 ft^3/s (872 m^3/s) Feb. 22, 1961 (gage height, 25.58 ft or 7.797 m in gage well, 25.75 ft or 7.849 m from outside gage); minimum, 1.6 ft^3/s (0.045 m^3/s) Sept. 28-30, 1954; minimum gage height, 2.08 ft (0.634 m) Oct. 21, 22, 1963.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1724: 1950 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	358	86	281	2,040	955	495	450	247	120	82	50	146
2	413	106	214	1,730	581	464	2,120	228	307	78	49	397
3	243	93	183	1,150	515	440	3,550	217	529	73	85	800
4	141	82	351	1,400	492	412	3,630	208	307	59	127	450
5	110	157	1,140	1,440	406	382	1,750	238	277	73	74	152
6	94	315	842	1,110	447	357	847	274	1,720	110	81	114
7	84	196	352	2,100	1,730	335	555	212	2,190	201	65	111
8	76	193	249	1,500	2,360	315	452	158	2,010	197	64	795
9	68	207	213	1,150	2,070	295	395	146	995	131	91	1,410
10	66	159	190	1,080	1,000	283	328	135	380	92	85	1,110
11	63	121	172	1,000	531	291	288	203	261	77	64	405
12	59	103	160	2,000	511	700	1,470	825	200	57	61	243
13	56	95	156	1,450	441	1,010	15,300	805	171	50	117	171
14	55	90	159	1,200	408	556	21,900	331	152	56	271	138
15	60	88	151	1,100	1,390	384	8,300	202	143	54	284	117
16	113	86	274	1,900	3,370	335	4,070	191	129	53	128	107
17	377	84	261	1,500	6,160	306	2,120	207	115	56	87	93
18	250	82	181	1,100	4,470	273	970	157	106	56	82	80
19	131	81	165	1,000	2,590	278	739	135	114	95	195	73
20	97	81	1,000	950	2,260	325	510	119	123	107	215	56
21	84	282	1,770	1,700	1,900	549	520	107	111	95	121	51
22	77	743	1,420	1,450	1,750	591	920	109	97	103	75	58
23	71	410	585	1,280	1,940	401	2,000	149	206	101	58	55
24	69	220	400	1,230	1,440	340	1,400	187	985	409	49	56
25	68	178	2,000	2,050	980	340	950	141	590	173	45	57
26	64	154	5,410	2,630	577	406	551	132	212	126	40	118
27	64	156	9,600	2,680	585	921	424	341	144	94	38	236
28	64	707	5,920	2,280	531	1,160	351	271	114	79	37	195
29	66	1,110	3,130	2,280	------	1,050	304	154	99	70	39	152
30	63	548	1,160	2,350	------	1,060	271	126	89	62	47	232
31	68	------	1,590	1,670	------	578	------	110	------	55	80	------
TOTAL	3,672	7,023	39,779	49,500	42,590	15,632	77,545	7,095	13,093	3,144	2,905	8,208
MEAN	118	234	1,283	1,597	1,521	504	2,585	229	436	101	93.7	274
MAX	413	1,110	9,600	2,680	6,160	1,160	21,900	825	2,190	409	284	1,410
MIN	55	81	151	950	406	273	271	107	89	53	37	55
CFSM	.32	.64	3.49	4.34	4.13	1.37	7.02	.62	1.18	.27	.25	.74
IN.	.37	.71	4.02	5.00	4.31	1.58	7.84	.72	1.32	.32	.29	.83

CAL YR 1973 TOTAL 275,013 MEAN 753 MAX 9,500 MIN 52 CFSM 2.05 IN 27.80
WTR YR 1974 TOTAL 270,187 MEAN 740 MAX 21,900 MIN 37 CFSM 2.01 IN 27.31

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-27	0600	18.88	10,400	04-13	2100	25.45	29,800
02-17	1300	14.72	6,760				

02476500 Sowashee Creek at Meridian, Miss.

LOCATION.--Lat 32°22'10", long 88°40'40", in NE¼ sec.17, T.6 N., R.16 E., Choctaw meridian, Lauderdale County, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mile (1.0 km) downstream from Southern Railway System bridge, and 8 miles (13 km) upstream from mouth.

DRAINAGE AREA.--51.9 mi^2 (134.4 km^2).

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft (93.254 m) above mean sea level. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mile (0.6 km) upstream at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--24 years, 60.5 ft^3/s (1.713 m^3/s), 15.83 in/yr (402 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,420 ft^3/s (182 m^3/s) Apr. 13 (gage height, 21.52 ft or 6.559 m); minimum, 4.3 ft^3/s (0.122 m^3/s) Oct. 12 (gage height, 2.29 ft or 0.698 m).

Period of record: Maximum discharge, 9,530 ft^3/s (270 m^3/s) Apr. 6, 1964 (gage height, 20.95 ft or 6.386 m, present site and datum); maximum gage height, 21.52 ft (6.559 m) Apr. 13, 1974; minimum discharge, 0.20 ft^3/s (0.006 m^3/s) Oct. 4, 1954, and at times during July, August, September, 1957.

Maximum stage known since at least 1900, 29.5 ft (8.99 m) in February 1936, at site 0.6 mile (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft (8.11 m), at site 0.6 mile (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft (7.9 m) at site 0.4 mile (0.6 km) upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft (2.04 m) lower than that of the flood in February 1936, at site 0.6 mile (1.0 km) upstream.

REMARKS.--Records fair except those below 10 ft^3/s (0.283 m^3/s) after June 1, which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	18	11	686	92	68	63	40	97	8.0	6.4	43
2	18	15	9.2	169	96	66	796	38	137	7.9	19	45
3	20	16	8.6	309	84	61	169	35	40	7.7	97	37
4	15	24	80	348	70	57	580	33	66	7.6	70	18
5	12	38	45	147	64	56	301	33	395	7.6	16	14
6	9.5	21	21	145	113	52	105	31	2,270	11	11	13
7	7.4	19	14	375	242	49	84	29	233	9.0	16	65
8	6.7	24	12	169	136	45	74	25	91	8.0	25	358
9	5.7	18	11	123	94	42	60	23	65	7.0	12	154
10	5.1	13	9.2	103	81	40	53	22	49	7.0	11	65
11	4.9	10	8.1	92	73	40	47	64	40	14	10	35
12	4.6	8.5	8.1	347	66	67	1,170	83	33	9.8	9.8	25
13	5.4	7.6	9.2	330	63	47	4,040	37	52	8.5	12	20
14	15	6.8	8.1	143	63	39	1,130	31	148	7.7	64	16
15	18	6.4	9.9	108	569	35	433	29	46	7.3	16	13
16	97	6.0	8.6	300	1,190	33	198	34	33	6.9	14	11
17	41	5.6	7.5	180	227	30	129	25	26	6.6	11	10
18	18	5.3	6.0	120	145	29	105	21	21	6.4	66	9.4
19	12	5.1	24	105	337	31	91	19	22	6.2	45	8.8
20	9.5	5.0	176	90	152	53	81	16	17	10	12	8.2
21	7.8	115	63	260	172	96	71	14	13	16	10	7.8
22	7.0	36	39	180	333	56	193	26	11	11	8.9	7.5
23	6.7	18	31	105	133	46	187	39	30	27	8.1	7.2
24	6.7	14	27	199	108	39	88	23	21	14	7.5	7.0
25	6.3	12	2,590	267	89	43	70	17	12	9.8	7.1	15
26	6.0	14	4,070	350	81	38	61	24	9.8	9.0	6.7	67
27	6.0	23	514	238	77	136	55	20	9.3	8.2	6.4	37
28	6.3	60	159	281	73	85	49	15	8.8	7.6	12	20
29	6.0	24	124	215	------	253	46	13	8.5	7.2	10	23
30	7.8	14	109	133	------	106	43	12	8.3	6.8	18	17
31	15	------	1,240	106	------	68	------	12	------	6.5	74	------
TOTAL	427.4	602.3	9,452.5	6,723	5,023	1,906	10,572	883	4,012.7	287.3	711.9	1,176.9
MEAN	13.8	20.1	305	217	179	61.5	352	28.5	134	9.27	23.0	39.2
MAX	97	115	4,070	686	1,190	253	4,040	83	2,270	27	97	358
MIN	4.6	5.0	6.0	90	63	29	43	12	8.3	6.2	6.4	7.0
CFSM	.27	.39	5.88	4.18	3.45	1.19	6.78	.55	2.58	.18	.44	.76
IN.	.31	.43	6.78	4.82	3.60	1.37	7.58	.63	2.88	.21	.51	.84

CAL YR 1973 TOTAL 42,366.9 MEAN 116 MAX 4,070 MIN 4.6 CFSM 2.24 IN 30.37
WTR YR 1974 TOTAL 41,778.0 MEAN 114 MAX 4,070 MIN 4.6 CFSM 2.20 IN 29.94

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-26	1100	20.14	5,140	04-13	0300	21.52	6,420
12-31	1830	15.72	2,390	06-06	1200	17.51	3,310
02-16	0900	13.42	1,730				

02476600 Okatibbee Creek at Arundel, Miss.

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw meridian, Lauderdale County, on right bank, 100 ft (30 m) downstream from Hognose Creek, 400 ft (120 m) upstream from bridge on county road, 0.6 mile (1.0 km) southeast of Arundel, and at mile 16.3 (26.2 km).

DRAINAGE AREA.--342 mi^2 (886 km^2).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft (78.955 m) above mean sea level (Corps of Engineers bench mark). Auxiliary waterstage recorder at bridge 400 ft (120 m) downstream at same datum.

AVERAGE DISCHARGE.--6 years, 505 ft^3/s (14.30 m^3/s), 20.05 in/yr (509 mm/yr).

EXTREMES.--Current year: Maximum discharge, 12,400 ft^3/s (351 m^3/s) Dec. 26 (gage height, 19.64 ft or 5.986 m; gage height at auxiliary gage, 19.28 ft, or 5.876 m); minimum daily, 43 ft^3/s (1.22 m^3/s) Nov. 17, 18.
Period of record: Maximum discharge, 12,400 ft^3/s (351 m^3/s) Dec. 26, 1973 (gage height, 19.64 ft or 5.986 m); gage height at auxiliary gage, 19.28 ft or 5.876 m); minimum daily, 20 ft^3/s (0.57 m^3/s) Oct. 5, 26, 1968. Flood in 1961 reached a stage of 22.2 ft (6.77 m) at county road bridge 400 ft (120 m) downstream (from information by Corps of Engineers).

REMARKS.--Records good. Flow from 154 mi^2 (399 km^2) above the station, regulated by Okatibbee Lake, 21.3 miles 34.3 km) upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

COOPERATION.--Gage-height record at auxiliary gage and 13 discharge measurements furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	164	89	69	4,410	1,480	1,420	616	1,300	364	106	84	179
2	151	78	62	1,700	1,550	1,400	1,740	1,150	662	94	95	264
3	149	50	59	916	1,400	1,380	1,880	423	328	89	93	209
4	115	45	184	1,100	1,210	1,360	1,600	304	306	85	190	117
5	84	146	317	1,090	1,220	1,340	1,240	253	821	86	126	88
6	79	109	164	1,130	1,360	1,320	763	224	3,080	96	84	98
7	75	99	99	1,370	1,670	1,290	774	199	2,850	89	76	219
8	74	101	75	1,390	1,270	1,270	738	185	981	82	123	983
9	72	84	61	1,330	1,240	1,250	594	179	450	80	86	804
10	68	66	52	822	1,370	1,220	562	174	263	76	70	362
11	70	55	48	1,020	1,430	947	547	406	200	86	68	242
12	66	51	48	1,680	1,430	706	2,170	540	160	96	91	233
13	62	52	48	1,450	1,410	617	10,600	284	340	91	140	195
14	57	47	46	1,540	1,390	551	7,760	344	898	88	252	177
15	155	45	60	2,170	1,670	522	3,520	367	886	93	139	145
16	387	45	50	2,050	3,800	441	2,310	371	936	90	90	162
17	374	43	53	1,730	2,930	331	1,880	357	940	86	124	150
18	159	43	46	1,610	1,360	296	1,720	341	954	91	133	158
19	102	45	46	1,550	1,490	312	1,620	328	995	82	243	143
20	85	45	678	1,440	1,590	331	1,530	320	900	85	123	135
21	74	402	590	1,590	1,450	526	1,460	312	554	118	88	128
22	71	302	486	1,140	1,870	446	1,560	331	418	89	89	124
23	67	144	461	1,240	1,470	347	1,860	382	421	126	95	122
24	69	103	443	1,380	1,390	331	1,440	338	299	113	88	121
25	76	86	3,330	1,480	1,460	333	1,400	312	198	86	85	137
26	73	81	10,700	1,620	1,480	347	1,410	344	150	78	82	471
27	72	104	6,650	1,490	1,470	702	1,380	360	130	90	81	258
28	72	235	2,440	1,570	1,450	630	1,360	325	118	94	95	177
29	70	124	1,020	1,830	------	1,040	1,320	301	112	92	110	176
30	72	86	928	1,390	------	878	1,310	290	111	90	121	160
31	95	------	1,890	1,390	------	680	------	284	------	86	240	------
TOTAL	3,359	3,005	31,203	47,618	44,310	24,564	58,664	11,628	19,825	2,833	3,604	6,997
MEAN	108	100	1,007	1,536	1,583	792	1,955	375	661	91.4	116	233
MAX	387	402	10,700	4,410	3,800	1,420	10,600	1,300	3,080	126	252	983
MIN	57	43	46	822	1,210	296	547	174	111	76	68	88
CFSM	.32	.29	2.94	4.49	4.63	2.32	5.72	1.10	1.93	.27	.34	.68
IN.	.37	.33	3.39	5.18	4.82	2.67	6.38	1.26	2.16	.31	.39	.76

CAL YR 1973 TOTAL 260,527 MEAN 714 MAX 10,700 MIN 43 CFSM 2.09 IN 28.34
WTR YR 1974 TOTAL 257,610 MEAN 706 MAX 10,700 MIN 43 CFSM 2.06 IN 28.02

02477000 Chickasawhay River at Enterprise, Miss.

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ sec.24, T.4 N., R.14 E., Choctaw meridian, Clarke County, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mile (0.8 km) downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2 (254.5 km).

DRAINAGE AREA.--913 mi^2 (2,365 km^2).

PERIOD OF RECORD.--August 1938 to current year. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft (63.283 m) above mean sea level. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--36 years, 1,177 ft^3/s (33.33 m^3/s), 17.51 in/yr (445 mm/yr).

EXTREMES.--Current year: Maximum discharge, 45,300 ft^3/s (1,280 m^3/s) Apr. 14 (gage height, 40.25 ft or 12.268 m); minimum, 140 ft^3/s (3.96 m^3/s) Oct. 14 (gage height, 5.26 ft or 1.603 m).
Period of record: Maximum discharge, 61,700 ft^3/s (1,750 m^3/s) Feb. 23, 1961 (gage height, 42.94 ft or 13.088 m, present datum); minimum, 18 ft^3/s (0.51 m^3/s) Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft or 1.204 m (present datum) Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.
Flood in April 1900 reached a stage of 42.2 ft or 12.86 m (present datum) from floodmark (from reports of National Weather Service).

REMARKS.--Records good. Some regulation since Nov. 26, 1968, by Okatibbee Lake, 38 miles (61 km) upstream. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1334: 1953. WRD Miss. 1966: 1965.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433	227	542	7,760	3,220	2,110	1,330	1,870	464	235	162	447
2	765	232	416	5,590	2,750	2,040	3,570	1,800	1,190	223	232	772
3	516	222	363	4,160	2,540	1,990	5,980	1,350	1,230	210	332	1,190
4	377	196	548	3,720	2,150	1,940	6,560	854	852	199	455	938
5	280	294	1,460	3,400	1,980	1,840	5,450	756	1,220	252	389	394
6	232	503	1,330	2,940	2,070	1,830	2,990	740	4,310	295	223	294
7	211	405	708	3,250	3,360	1,740	1,760	647	5,560	309	228	494
8	196	377	500	3,800	4,310	1,730	1,510	557	5,030	328	313	2,290
9	182	384	425	3,910	3,980	1,590	1,320	494	2,590	288	243	2,970
10	171	326	394	2,840	3,130	1,550	1,120	458	1,080	225	232	2,828
11	162	294	357	3,070	2,450	1,550	1,050	755	740	198	181	1,158
12	152	228	336	4,730	2,260	1,560	4,430	1,800	579	198	167	778
13	148	213	329	4,540	2,150	1,780	16,300	1,520	507	186	284	592
14	141	203	322	4,130	2,070	1,390	34,200	954	1,100	177	588	498
15	174	189	332	4,880	1,870	1,190	32,500	800	1,180	171	698	433
16	363	184	405	5,420	8,570	986	16,900	758	1,210	181	342	396
17	909	176	464	5,140	10,900	842	7,990	752	1,200	169	277	350
18	535	171	351	4,040	10,500	743	4,800	598	1,190	188	316	324
19	338	171	339	3,100	5,700	731	3,910	619	1,230	218	476	309
20	253	171	1,520	3,510	5,330	865	3,110	573	1,220	225	524	298
21	220	619	2,580	4,560	4,500	1,290	2,510	536	893	239	334	270
22	196	1,230	2,120	3,970	4,390	1,390	2,510	749	597	241	228	252
23	184	871	1,350	3,380	4,220	1,060	3,580	874	582	292	201	235
24	172	447	1,020	3,440	3,660	906	3,920	740	1,180	512	186	232
25	174	384	5,750	4,480	2,750	893	3,250	644	1,220	363	167	244
26	172	350	17,500	5,430	2,620	932	2,510	610	610	277	156	1,530
27	171	430	21,600	5,550	2,270	1,720	2,270	920	425	223	156	1,110
28	174	951	20,000	5,160	2,180	2,210	2,130	874	363	215	213	628
29	171	1,480	11,400	5,380	------	2,400	2,020	635	330	186	232	576
30	169	944	4,920	5,040	------	2,540	1,940	542	265	184	243	536
31	193	------	5,510	4,210	------	1,740	------	497	------	179	282	------
TOTAL	8,739	12,893	106,182	135,660	109,710	67,329	183,620	26,316	40,349	7,396	9,080	22,510
MEAN	282	429	3,425	4,376	3,918	1,527	6,121	849	1,345	239	293	750
MAX	909	1,480	21,600	7,760	10,900	2,540	34,200	1,870	5,560	512	698	2,970
MIN	141	171	322	2,840	1,980	743	1,050	458	265	169	156	232
CFSM	.31	.47	3.75	4.79	4.29	1.67	6.70	.93	1.47	.26	.32	.82
IN.	.36	.52	4.33	5.53	4.47	1.83	7.49	1.07	1.64	.30	.37	.92

CAL YR 1973 TOTAL 745,718 MEAN 2,043 MAX 21,600 MIN 141 CFSM 2.24 IN 30.38
WTR YR 1974 TOTAL 709,772 MEAN 1,945 MAX 34,200 MIN 141 CFSM 2.13 IN 29.92

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-27	2200	33.95	22,600	04-14	1930	40.25	45,300
02-18	0200	26.31	11,500				

02477990 Buckatunna Creek near Denham, Miss.

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ sec.6, T.8 N., R.5 W., St. Stephens meridian, Wayne County, on right bank on downstream side of bridge on county road, 2.7 miles (4.3 km) north of Denham, and 8.7 miles (14.0 km) east of Waynesboro.

DRAINAGE AREA.--490 mi^2 (1,270 km^2), approximately.

PERIOD OF RECORD.--January 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.21 ft (41.822 m) above mean sea level (determined from flood profile levels). Nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum discharge, 11,500 ft^3/s (325 m^3/s) Apr. 16 (gage height, 33.81 ft or 10.305 m); minimum, 67 ft^3/s (1.90 m^3/s) Oct. 30, 31 (gage height, 4.57 ft or 1.393 m).
Period of record: Maximum discharge, 11,500 ft^3/s (325 m^3/s) Apr. 16, 1974 (gage height, 33.81 ft or 10.305 m); minimum, 7.8 ft^3/s (0.22 m^3/s) Sept. 21-22 (gage height, 3.92 ft or 1.195 m).

REMARKS.--Records good. Records for chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	624	85	672	5,670	2,550	875	1,510	580	247	117	126	564
2	1,110	81	478	4,180	2,250	820	3,050	531	319	108	97	662
3	722	94	334	3,030	1,890	773	3,960	503	366	101	137	850
4	428	103	494	2,990	1,420	720	2,960	474	286	95	173	1,020
5	481	121	910	3,170	1,150	674	2,320	562	266	95	162	993
6	454	119	865	3,320	1,020	639	2,100	505	463	135	137	1,040
7	281	166	870	3,240	1,780	608	1,970	470	880	126	200	1,080
8	193	218	684	2,800	1,920	575	1,550	406	1,200	135	234	2,920
9	162	194	456	2,320	1,700	544	1,070	356	1,360	166	669	4,150
10	144	167	358	2,000	1,460	518	908	322	1,500	148	315	3,740
11	128	176	310	1,890	1,240	500	783	364	1,620	115	200	3,390
12	104	164	279	2,400	1,020	641	945	639	1,050	101	157	3,120
13	94	144	259	2,120	890	925	6,170	739	520	86	130	3,000
14	88	128	243	1,920	795	983	7,460	820	529	77	423	2,730
15	85	117	241	2,250	888	885	7,150	720	408	74	1,070	1,280
16	92	115	295	2,170	1,720	686	11,100	492	340	117	788	641
17	104	108	257	2,070	1,790	573	10,200	364	281	86	544	514
18	148	104	241	1,900	1,660	516	7,660	324	421	106	332	421
19	320	104	236	1,650	1,870	586	5,630	299	1,360	119	360	348
20	297	104	1,190	2,380	2,110	1,310	4,220	265	810	103	443	297
21	189	155	1,200	3,580	2,320	1,430	3,020	236	368	83	529	261
22	139	257	985	3,100	2,970	1,480	1,750	326	257	88	395	230
23	115	340	945	2,690	2,840	1,230	1,400	684	223	254	234	203
24	101	426	778	2,600	2,520	1,120	1,360	843	234	500	173	180
25	92	412	790	2,900	2,120	935	1,400	1,000	238	301	153	169
26	83	295	3,570	2,980	1,620	744	1,360	960	220	200	135	207
27	77	268	4,380	2,970	1,200	2,020	1,170	768	194	176	117	311
28	72	691	3,750	3,000	975	2,370	885	472	166	151	106	571
29	70	602	5,870	3,110	------	1,890	741	399	142	131	99	878
30	69	669	8,590	2,920	------	1,720	643	330	128	124	101	1,120
31	76	------	7,420	2,740	------	1,630	------	272	------	395	299	------
TOTAL	7,142	6,727	47,950	86,060	47,688	30,920	96,445	16,025	16,394	4,613	9,038	36,890
MEAN	230	224	1,547	2,776	1,703	997	3,215	517	547	149	292	1,230
MAX	1,110	691	8,590	5,670	2,970	2,370	11,100	1,000	1,620	500	1,070	4,150
MIN	69	81	236	1,650	795	500	643	236	128	74	97	169
CFSM	.47	.46	3.16	5.67	3.48	2.03	6.56	1.06	1.12	.30	.60	2.51
IN.	.54	.51	3.64	6.53	3.62	2.35	7.32	1.22	1.24	.35	.69	2.80

CAL YR 1973 TOTAL 391,234 MEAN 1,072 MAX 8,590 MIN 69 CFSM 2.19 IN 29.70
WTR YR 1974 TOTAL 405,894 MEAN 1,112 MAX 11,100 MIN 69 CFSM 2.27 IN 30.81

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-30	1130	25.64	8,780	04-16	1530	33.81	11,500
04-03	0130	20.49	4,340	09-09	0400	20.26	4,260

PASCAGOULA RIVER BASIN

02478500 Chickasawhay River at Leakesville, Miss.

LOCATION.--Lat 31°08', long 88°33', in SW¼ sec.12, T.2 N., R.6 W., St. Stephens meridian, Greene County, on left bank at downstream side of bridge on State Highway 63, 0.5 mile (0.8 km) southeast of Leakesville, 2 miles (3 km) upstream from Foulk ditch, and 29.1 miles (46.8 km) upstream from confluence with Leaf River.

DRAINAGE AREA.--2,680 mi^2 (6,940 km^2), approximately.

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft (15.584 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 3,696 ft^3/s (104.7 m^3/s), 18.73 in/yr (476 mm/yr).

EXTREMES.--Current year: Maximum discharge, 41,400 ft^3/s (1,170 m^3/s) Apr. 20 (gage height, 30.02 ft or 9.150 m); minimum, 660 ft^3/s (18.69 m^3/s) Oct. 30 (gage height, 9.05 ft or 2.758 m).
Period of record: Maximum discharge, 73,600 ft^3/s (2,080 m^3/s) Feb. 28, 1961 (gage height, 33.52 ft or 10.217 m); minimum, 160 ft^3/s (4.53 m^3/s) Oct. 30, 31, 1963 (gage height, 6.74 ft or 2.054 m).
A flood in April 1900 reached a stage of 38 ft (11½ m), and a flood in July 1916 reached a stage of 31½ ft (9½ m), from information by local residents. The flood of Apr. 12, 1938, reached a stage of 34.12 ft (10.400 m), discharge, 68,000 ft^3/s (1,950 m^3/s), from information by Corps of Engineers.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1938-39.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,310	721	2,970	26,100	16,200	5,870	7,540	5,090	1,850	1,230	1,460	1,750
2	1,820	767	2,810	29,600	14,700	5,320	7,250	4,770	2,100	1,150	1,500	3,500
3	2,500	792	2,200	30,100	13,100	4,970	9,400	4,530	2,450	1,080	1,100	4,530
4	2,350	800	1,900	28,800	10,900	4,710	12,100	4,310	2,330	1,020	958	4,590
5	2,050	883	2,460	26,600	8,380	4,520	13,200	4,170	2,510	983	1,090	4,450
6	1,800	1,000	3,200	23,800	6,590	4,330	12,900	4,430	3,290	1,020	1,460	4,180
7	1,530	1,070	3,190	20,800	6,700	4,170	11,800	3,990	4,750	1,170	1,380	3,610
8	1,290	1,110	3,150	17,700	10,200	4,010	11,100	3,350	5,560	1,370	1,160	9,250
9	1,080	1,280	2,630	14,600	11,100	3,890	9,940	2,940	7,960	1,250	1,110	15,500
10	979	1,500	1,990	12,100	10,200	3,800	6,460	2,640	9,230	1,120	1,940	16,300
11	930	1,270	1,650	10,800	9,250	3,710	4,680	2,470	8,400	1,100	1,740	16,000
12	844	1,120	1,480	10,400	8,350	3,940	3,970	2,830	6,770	1,020	1,220	14,500
13	776	1,050	1,370	10,700	6,980	4,720	9,030	4,380	4,150	942	1,020	11,200
14	748	971	1,300	10,800	5,950	5,210	19,800	5,920	3,460	883	1,000	7,280
15	736	929	1,250	10,500	5,320	5,100	27,100	5,520	3,590	841	1,230	5,310
16	824	966	1,260	10,600	5,620	4,640	30,200	4,100	2,730	833	2,590	3,970
17	957	950	1,290	11,000	7,650	3,860	30,300	3,110	2,560	909	2,740	2,710
18	1,070	868	1,260	10,800	9,620	3,290	32,800	2,550	2,390	899	1,920	2,210
19	1,170	818	1,250	10,400	10,800	2,990	38,200	2,420	2,550	858	1,490	1,920
20	1,450	784	2,700	10,700	11,600	3,030	41,100	2,270	3,540	858	1,460	1,700
21	1,410	848	4,710	12,900	12,400	4,500	39,600	2,100	3,190	859	1,690	1,550
22	1,150	1,100	4,690	14,400	13,400	5,580	35,300	1,970	2,500	855	1,700	1,450
23	952	1,320	4,680	14,700	14,400	5,630	29,900	2,160	2,200	851	1,530	1,500
24	852	1,750	4,620	14,100	15,100	5,390	22,900	3,470	1,880	941	1,230	1,290
25	788	2,050	3,970	14,000	14,600	4,780	15,000	4,780	1,710	1,290	1,000	1,170
26	748	1,890	5,900	14,700	12,600	4,520	10,600	4,180	1,780	1,350	882	1,120
27	716	1,610	13,000	15,100	9,790	7,490	9,270	3,170	2,030	1,280	828	1,530
28	692	1,860	16,200	15,100	7,200	10,700	8,060	2,690	1,900	1,170	793	2,250
29	676	2,670	18,300	15,300	------	11,300	6,510	2,330	1,530	1,050	802	2,950
30	665	2,930	20,600	16,500	------	10,500	5,600	2,220	1,340	1,030	815	2,940
31	681	------	22,900	16,900	------	8,710	------	2,070	------	972	919	------
TOTAL	35,544	37,677	160,880	500,600	288,700	165,280	521,410	107,020	102,430	32,204	41,857	152,250
MEAN	1,147	1,256	5,190	16,150	10,310	5,332	17,380	3,452	3,414	1,039	1,350	5,075
MAX	2,500	2,930	22,900	30,100	16,200	11,300	41,100	5,920	8,400	1,370	2,740	16,300
MIN	665	721	1,250	10,400	5,320	2,990	3,970	1,970	1,340	833	793	1,120
CFSM	.43	.47	1.94	6.03	3.85	1.99	6.49	1.29	1.27	.39	.50	1.89
IN.	.49	.52	2.23	6.95	4.01	2.29	7.24	1.49	1.42	.45	.58	2.11

CAL YR 1973 TOTAL 2,056,141 MEAN 5,633 MAX 23,700 MIN 665 CFSM 2.10 IN 28.54
WTR YR 1974 TOTAL 2,145,852 MEAN 5,879 MAX 41,100 MIN 665 CFSM 2.19 IN 29.79

02479000 Pascagoula River at Merrill, Miss.

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mile (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.--6,600 mi^2 (17,100 km^2), approximately.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Gage-height records collected in same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft (8.001 m) above mean sea level. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--44 years, 9,523 ft^3/s (269.7 m^3/s), 19.59 in/yr (498 mm/yr).

EXTREMES.--Current year: Maximum discharge, 139,000 ft^3/s (3,936 m^3/s) Apr. 19 (gage height, 28.37 ft or 8.647 m, from floodmark); minimum observed, 1,800 ft^3/s (51.0 m^3/s) Oct. 30 (gage height, 4.00 ft or 1.219 m).

Period of record: Maximum discharge, 178,000 ft^3/s (5,040 m^3/s) Feb. 27, 1961 (gage height, 30.66 ft or 9.345 m); minimum, 696 ft^3/s (19.7 m^3/s) Nov. 3, 1936; minimum gage height, 1.92 ft (0.585 m) Oct. 21-26, 1963.

A flood in April 1900 reached a stage of 32.5 ft (9.91 m), and the flood of July 9, 1916, reached a stage of 31.0 ft (9.45 m), from information by National Weather Service.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,690	2,010	8,760	78,900	46,500	14,400	29,200	9,960	5,230	3,580	3,470	4,570
2	4,640	2,120	7,910	72,000	44,100	11,800	23,600	9,160	5,750	3,320	3,920	8,430
3	6,670	2,170	6,580	66,800	40,100	10,800	22,100	8,670	7,130	3,190	3,940	13,200
4	6,770	2,170	5,670	61,800	36,200	10,100	24,000	8,350	6,790	3,080	3,390	15,100
5	5,770	2,580	7,370	57,600	29,200	9,700	27,200	8,320	6,650	2,970	4,040	14,300
6	4,910	3,900	8,650	53,300	21,800	9,310	29,100	9,070	8,060	2,970	4,300	12,400
7	4,080	4,980	8,860	48,400	18,300	8,960	29,200	9,770	8,810	3,130	4,060	10,100
8	3,500	4,740	8,030	43,900	22,300	8,640	27,300	9,380	12,500	3,360	3,920	18,400
9	3,060	4,250	7,240	39,000	27,300	8,320	24,100	8,380	15,900	3,500	3,750	27,400
10	2,810	4,060	5,980	35,300	29,100	8,030	19,800	7,440	17,900	3,220	3,850	33,200
11	2,740	4,080	5,020	30,700	26,700	7,790	13,500	6,780	18,500	2,980	4,390	36,600
12	2,650	4,220	4,460	26,700	22,700	8,510	9,970	9,040	17,500	2,850	3,840	38,500
13	2,640	3,750	4,130	26,000	19,000	10,700	18,100	12,900	15,100	2,670	3,280	37,200
14	2,530	3,360	3,900	26,800	15,500	13,100	36,600	18,700	11,600	2,550	3,080	31,100
15	2,350	3,060	3,770	27,100	13,100	14,000	55,500	19,400	8,960	2,500	3,360	22,100
16	2,280	2,980	3,770	25,700	12,500	12,800	72,600	16,700	8,210	2,650	5,580	13,900
17	2,450	3,050	3,900	24,000	15,700	11,200	99,500	12,800	7,300	2,770	6,480	9,120
18	2,760	2,910	3,790	22,700	20,200	9,310	130,000	9,530	6,490	3,060	5,620	7,000
19	3,080	2,710	3,630	20,400	23,500	8,060	134,000	7,780	5,890	2,850	5,380	6,010
20	3,380	2,560	6,880	22,900	26,000	7,670	112,000	6,700	6,360	2,630	5,400	5,380
21	3,440	2,700	12,900	28,100	28,500	9,230	92,300	6,110	6,590	2,550	5,940	4,920
22	3,040	3,710	13,600	31,800	30,000	12,600	74,900	5,720	5,920	2,610	5,480	4,620
23	2,590	4,940	12,800	34,000	30,600	12,600	58,800	5,790	5,260	2,670	4,860	4,400
24	2,340	5,550	11,900	35,400	30,700	12,500	46,500	9,860	4,780	3,050	4,150	4,150
25	2,130	5,830	10,900	37,600	29,300	11,800	38,200	14,900	4,790	3,480	3,420	3,820
26	2,020	5,810	16,000	40,400	26,800	11,400	31,300	15,600	5,720	3,770	2,920	3,640
27	1,960	5,180	28,400	42,900	23,700	18,700	23,900	11,300	5,590	3,790	2,640	3,610
28	1,890	5,500	36,700	44,700	19,300	28,800	17,900	8,360	5,240	3,920	2,550	4,460
29	1,870	7,880	48,900	45,800	------	33,700	13,900	6,960	4,560	4,400	2,590	5,340
30	1,800	9,120	70,400	46,800	------	35,200	11,400	6,140	3,940	4,420	2,880	5,840
31	1,810	------	82,200	47,400	------	33,900	------	5,670	------	3,830	3,460	------
TOTAL	97,650	121,880	463,000	1,244,9M	728,700	423,630	1,346,5M	305,240	253,020	98,320	125,940	408,810
MEAN	3,150	4,063	14,940	40,160	26,030	13,670	44,880	9,846	8,434	3,172	4,063	13,630
MAX	6,770	9,120	82,200	78,900	46,500	35,200	134,000	19,400	18,500	4,420	6,480	38,500
MIN	1,800	2,010	3,630	20,400	12,500	7,670	9,970	5,670	3,940	2,500	2,550	3,610
CFSM	.48	.62	2.26	6.08	3.94	2.07	6.80	1.49	1.28	.48	.62	2.07
IN.	.55	.69	2.61	7.02	4.11	2.39	7.59	1.72	1.43	.55	.71	2.30

CAL YR 1973 TOTAL 5,334,100 MEAN 14,610 MAX 82,200 MIN 1,800 CFSM 2.21 IN 30.06
WTR YR 1974 TOTAL 5,617,560 MEAN 15,390 MAX 134,000 MIN 1,800 CFSM 2.33 IN 31.66

Note:-- No gage-height record Apr. 17-24.

02479130 Black Creek near Brooklyn, Miss.

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 49, 1.1 miles (1.8 km) southwest of Brooklyn, and 4.5 miles (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--361 mi^2 (935 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-57, 1959, 1964-66. October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) above mean sea level (Mississippi State Highway Department bench mark).

EXTREMES.--Current year: Maximum discharge, 20,500 ft^3/s (581 m^3/s) Apr. 14 (gage height, 25.32 ft or 7.718 m, from floodmark); minimum, 140 ft^3/s (3.96 m^3/s), Oct. 27, 28, 29 (gage height, 4.29 ft or 1.308 m).
Period of record: Maximum discharge, 20,500 ft^3/s (581 m^3/s) Apr. 14, 1974 (gage height, 25.32 ft or 7.718 m, from floodmark); minimum, 86 ft^3/s (2.44 m^3/s), part of each day Oct. 13-19 (gage height, 3.80 ft or 1.158 m).
Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft^3/s (609 m^3/s).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS.--WRD Miss. 1971: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	338	238	499	1,680	1,240	523	1,240	484	308	183	227	502
2	472	242	441	1,320	1,490	514	1,610	466	505	175	212	463
3	682	227	346	1,120	2,210	490	1,480	455	435	210	250	574
4	390	210	602	1,300	1,590	472	1,220	449	374	242	413	502
5	275	795	959	1,290	1,280	458	1,180	924	407	234	589	385
6	225	940	618	1,200	1,060	441	966	924	490	304	634	402
7	198	666	460	1,240	2,470	418	795	647	508	353	1,010	834
8	181	568	396	1,200	2,610	399	871	520	418	316	845	3,530
9	172	514	333	1,010	1,850	385	767	432	353	242	702	4,910
10	184	427	294	890	1,520	377	621	388	301	210	532	4,350
11	210	316	273	886	1,280	388	532	1,450	296	183	320	2,660
12	216	262	258	1,360	1,070	978	970	2,500	264	163	234	1,560
13	212	236	254	1,330	879	951	7,580	1,540	258	195	296	1,040
14	189	223	248	1,220	764	709	18,300	1,110	520	210	1,600	653
15	180	216	273	1,070	733	615	12,100	781	490	170	608	496
16	188	269	356	970	1,220	592	6,490	574	364	294	335	421
17	338	311	338	852	1,090	496	3,530	449	280	201	308	366
18	390	246	294	730	943	410	2,100	421	252	184	435	325
19	289	223	282	676	978	396	1,530	544	928	180	466	292
20	234	210	1,750	3,010	1,040	432	1,220	385	647	172	446	264
21	193	418	1,280	2,210	936	1,480	1,010	361	359	379	353	248
22	170	676	890	1,520	1,740	1,050	894	631	273	852	258	240
23	160	605	719	1,330	1,090	806	928	1,220	248	361	210	223
24	152	523	618	1,930	827	631	883	824	452	628	181	214
25	148	427	2,160	2,930	723	634	777	806	444	574	166	210
26	144	410	6,810	3,770	682	1,310	699	1,110	318	323	178	217
27	141	379	10,100	2,260	589	6,580	631	852	248	246	273	246
28	141	1,170	10,400	1,980	541	7,120	574	517	217	612	366	244
29	142	981	4,930	2,400	------	4,090	535	396	198	396	410	244
30	136	644	2,330	2,120	------	2,240	508	351	186	238	361	267
31	166	------	1,630	1,570	------	1,580	------	316	------	212	586	------
TOTAL	7,256	13,572	51,141	48,374	34,445	37,965	72,541	22,827	11,341	9,242	13,804	26,882
MEAN	234	452	1,650	1,560	1,230	1,225	2,418	736	378	298	445	896
MAX	682	1,170	10,400	3,770	2,610	7,120	18,300	2,500	928	852	1,600	4,910
MIN	136	210	248	676	541	377	508	316	186	163	166	210
CFSM	.65	1.25	4.57	4.32	3.41	3.39	6.70	2.04	1.05	.83	1.23	2.48
IN.	.75	1.40	5.27	4.98	3.55	3.91	7.48	2.35	1.17	.95	1.42	2.77

CAL YR 1973 TOTAL 285,799 MEAN 783 MAX 10,400 MIN 116 CFSM 2.17 IN 29.45
WTR YR 1974 TOTAL 349,390 MEAN 957 MAX 18,300 MIN 136 CFSM 2.65 IN 36.00

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-27	2400	22.47	12,800	03-27	2200	19.49	8,090
01-20	1500	13.80	4,080	04-14	Unknown	†25.32	20,500
01-26	0130	15.23	4,940	09-09	1830	15.75	5,250

† From floodmark.

Note:-- No gage-height record Apr. 12- 15.

02479155 Cypress Creek near Janice, Miss.
(Hydrologic bench-mark station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County, on right bank at downstream side of bridge on State Highway 29, 1.2 miles (1.9 km) east of Janice, and 5.5 miles (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.2 mi^2 (135 km^2).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 110 ft or 34 m (from topographic map).

AVERAGE DISCHARGE.--8 years, 84.9 ft^3/s (2.404 m^3/s), 22.09 in/yr (561 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,550 ft^3/s (101 m^3/s) Apr. 13 (gage height, 21.42 ft or 6.529 m); minimum, 13 ft^3/s (0.37 m^3/s), part of each day July 13-15, Aug. 24, 25 (gage height, 5.82 ft or 1.774 m).
Period of record: Maximum discharge, 7,720 ft^3/s (219 m^3/s) Apr. 13, 1969 (gage height, 26.01 ft or 7.928 m); minimum 4.5 ft^3/s (0.13 m^3/s) Sept. 2, 3, 1968.
Flood of June [illegible], 1959, reached a stage of 32.06 ft or 9.772 m (discharge, 22,800 ft^3/s or 646 m^3/s).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	36	50	428	181	64	98	53	23	15	19	50
2	110	25	42	209	195	62	249	52	45	15	33	197
3	569	20	39	278	323	60	201	51	49	14	57	262
4	149	19	148	569	199	58	117	48	30	14	30	108
5	61	146	183	283	139	57	93	62	36	17	49	44
6	42	121	78	178	132	54	73	59	53	23	32	32
7	34	55	53	208	495	51	66	48	34	24	23	164
8	29	41	44	201	450	48	148	41	26	30	35	993
9	27	37	41	138	218	46	138	38	25	20	37	649
10	40	34	39	117	160	46	75	37	43	16	25	231
11	37	27	36	128	135	52	62	84	87	15	18	96
12	30	24	35	191	118	351	69	167	38	14	16	59
13	30	23	35	121	108	239	2,760	70	26	14	17	47
14	27	22	32	97	102	98	2,640	44	49	14	38	36
15	26	22	40	89	99	71	1,050	37	67	14	39	31
16	28	34	48	83	157	65	567	35	36	86	35	27
17	38	36	39	78	125	57	251	32	25	35	38	24
18	31	28	33	73	94	51	178	30	22	21	52	21
19	23	24	37	92	115	51	144	30	34	30	26	19
20	21	23	544	1,560	107	60	122	29	37	23	18	17
21	20	95	302	689	88	478	105	31	25	18	16	16
22	19	127	115	227	171	348	102	40	21	16	15	16
23	19	62	83	174	115	120	165	64	19	15	14	15
24	18	43	81	344	84	86	117	46	21	64	14	14
25	18	61	150	567	72	115	86	34	19	51	14	14
26	17	78	1,540	531	67	281	74	32	17	25	16	15
27	17	55	647	338	66	1,520	67	35	16	20	16	18
28	16	164	209	343	65	885	62	30	16	19	16	17
29	16	129	166	502	------	279	58	26	15	18	22	15
30	15	66	232	626	------	161	55	24	15	16	26	14
31	22	------	319	257	------	114	------	23	------	18	27	------
TOTAL	1,587	1,677	5,440	9,719	4,380	6,028	9,992	1,432	969	734	833	3,261
MEAN	51.2	55.9	175	314	156	194	333	46.2	32.3	23.7	26.9	109
MAX	569	164	1,540	1,560	495	1,520	2,760	167	87	86	57	993
MIN	15	19	32	73	65	46	55	23	15	14	14	14
CFSM	.98	1.07	3.35	6.02	2.99	3.72	6.38	.89	.62	.45	.52	2.09
IN.	1.13	1.20	3.88	6.93	3.12	4.30	7.12	1.02	.69	.52	.59	2.32

CAL YR 1973 TOTAL 42,215 MEAN 116 MAX 2,780 MIN 12 CFSM 2.22 IN 30.08
WTR YR 1974 TOTAL 46,052 MEAN 126 MAX 2,760 MIN 14 CFSM 2.41 IN 32.82

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-26	1230	16.66	1,860	04-13	2300	21.42	3,550
01-20	1730	17.19	1,970	09-08	1130	13.50	1,260
03-27	1730	16.94	1,920				

02479160 Black Creek near Wiggins, Miss.

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ sec.20, T.2 S., R.9 W., St. Stephens meridian, Stone County, on left bank on downstream side of bridge on State Highway 26, 1.7 miles (2.7 km) downstream from Flat Branch, 8.6 miles (13.8 km) upstream from Sweetwater Creek, and 13.4 miles (21.6 km) east of Wiggins.

DRAINAGE AREA.--730 mi^2 (1,890 km^2), approximately.

PERIOD OF RECORD.--Occasional discharge measurements 1956, 1957, 1959, 1960. October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 48.89 ft (14.902 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 25,000 ft^3/s (708 m^3/s) Apr. 15 (gage height, 25.55 ft or 7.788 m); minimum, 304 ft^3/s (8.61 m^3/s) Oct. 28 (gage height, 4.71 ft or 1.436 m).
Period of record: Maximum discharge, 25,000 ft^3/s (708 m^3/s) Apr. 15, 1974 (gage height, 25.55 ft or 7.788 m); minimum, 164 ft^3/s (4.64 m^3/s) Oct. 19, 20, 1972 (gage height, 3.80 ft or 1.158 m).
A flood (believed to be that of July 1916) reached a stage of 30.5 ft or 9.30 m, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft (7.888 m), and the flood of Feb. 19, 1961, 25.83 ft or 7.873 m (from floodmarks); discharge, about 26,000 ft^3/s (736 m^3/s), based on peak data at sites upstream and downstream.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	664	437	971	5,190	3,270	1,080	3,000	1,050	636	416	494	788
2	650	470	821	3,880	2,450	1,050	2,630	1,020	816	408	559	1,080
3	1,310	448	733	2,640	3,450	1,030	3,410	1,020	1,120	401	784	2,020
4	1,340	419	946	3,810	4,060	993	2,620	977	842	417	663	1,600
5	768	812	1,740	3,320	2,800	963	2,120	1,120	723	463	781	914
6	578	1,690	1,450	2,550	2,220	933	1,870	1,680	805	516	864	680
7	493	1,340	994	2,380	3,370	899	1,570	1,420	855	588	1,060	875
8	444	946	839	2,620	5,680	864	1,530	1,110	802	612	1,350	3,910
9	416	830	768	2,180	5,670	828	1,850	959	745	539	1,180	6,580
10	432	780	676	1,870	3,600	807	1,400	871	654	460	916	8,040
11	446	673	617	1,670	2,610	783	1,170	884	737	419	710	8,640
12	451	562	584	1,940	2,190	1,420	1,070	2,810	676	390	534	6,620
13	451	500	565	2,160	1,890	2,200	5,340	3,790	595	372	455	2,860
14	446	468	554	1,950	1,660	1,560	10,600	2,150	843	393	838	1,660
15	414	453	568	1,790	1,520	1,170	19,900	1,490	1,140	404	1,640	1,300
16	401	463	650	1,630	1,830	1,050	21,000	1,170	903	574	831	1,020
17	432	536	699	1,500	2,180	999	13,500	965	679	659	606	882
18	573	554	650	1,360	1,790	873	10,700	849	584	478	662	782
19	581	483	608	1,260	1,730	806	6,690	866	661	445	758	703
20	485	448	2,130	3,420	1,840	850	3,330	958	1,420	419	690	638
21	425	533	4,020	7,400	1,680	1,530	2,400	833	927	414	619	601
22	380	1,100	2,330	6,760	1,960	3,390	2,040	808	670	940	532	785
23	350	1,080	1,450	3,260	2,580	1,920	2,070	1,380	564	928	458	608
24	334	893	1,220	2,960	1,720	1,330	2,070	1,620	543	707	411	531
25	325	794	1,260	4,700	1,410	1,150	1,740	1,190	698	1,120	386	503
26	313	791	4,680	6,330	1,270	1,500	1,540	1,220	644	762	379	494
27	308	759	8,640	7,970	1,220	4,950	1,400	1,420	540	549	395	516
28	308	1,170	10,200	7,020	1,130	8,790	1,270	1,140	482	498	472	542
29	308	1,970	10,900	5,260	------	10,500	1,160	850	450	761	563	522
30	308	1,360	10,800	6,060	------	10,100	1,100	734	431	575	618	506
31	344	------	9,420	5,470	------	6,730	------	672	------	603	582	------
TOTAL	15,478	23,762	81,483	112,310	68,780	73,048	132,090	39,026	22,185	17,230	21,790	57,200
MEAN	499	792	2,628	3,623	2,456	2,356	4,403	1,259	740	556	703	1,907
MAX	1,340	1,970	10,900	7,970	5,680	10,500	21,000	3,790	1,420	1,120	1,640	8,640
MIN	308	419	554	1,260	1,130	783	1,070	672	431	372	379	494
CFSM	.68	1.08	3.60	4.96	3.36	3.23	6.03	1.72	1.01	.76	.96	2.61
IN.	.79	1.21	4.15	5.72	3.50	3.72	6.73	1.99	1.13	.88	1.11	2.91

CAL YR 1973 TOTAL 579,403 MEAN 1,587 MAX 11,400 MIN 274 CFSM 2.17 IN 29.53
WTR YR 1974 TOTAL 664,382 MEAN 1,820 MAX 21,000 MIN 308 CFSM 2.49 IN 33.86

PEAK DISCHARGE (BASE, 7,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-29	2200	22.26	11,200	03-29	1800	21.92	10,700
01-21	2330	19.30	8,070	04-15	2200	25.55	25,000
01-27	1700	19.50	8,250	09-11	1030	20.06	8,760

02479300 Red Creek at Vestry, Miss.

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens meridian, George County, near center of channel on downstream side of bridge on county highway, 0.5 mile (0.8 km) north of Vestry, and 1.1 miles (1.8 km) upstream from Little Red Creek.

DRAINAGE AREA.--416 mi^2 (1,077 km^2).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft (6.126 m) above mean sea level.

AVERAGE DISCHARGE.--16 years, 818 ft^3/s (23.17 m^3/s), 26.70 in/yr (678 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,780 ft^3/s (277 m^3/s) Apr. 17 (gage height, 15.66 ft or 4.773 m); minimum, 204 ft^3/s (5.78 m^3/s) July 14, 15 (gage height, 4.38 ft or 1.335 m).
Period of record: Maximum discharge, 21,500 ft^3/s (609 m^3/s) Dec. 12, 1961; maximum gage height, 18.78 ft (5.724 m) Apr. 28, 1964; minimum discharge, 88 ft^3/s (2.49 m^3/s) Oct. 22, 1963 (gage height, 3.22 ft or 0.981 m).

REMARKS.--Records good except those for periods of no gage-height record, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	978	345	676	3,500	3,380	615	2,990	546	347	220	614	430
2	799	371	600	2,500	2,370	594	1,910	524	656	213	902	504
3	794	335	500	2,200	1,920	573	2,790	601	889	211	1,040	1,600
4	824	296	700	2,090	2,150	556	3,170	711	588	217	726	1,170
5	823	620	1,200	2,730	1,940	545	2,330	696	584	212	696	733
6	705	1,480	1,000	2,250	1,640	530	1,480	933	494	237	552	632
7	519	1,540	700	1,540	2,160	515	1,040	821	490	392	724	999
8	392	1,040	600	1,560	3,650	497	936	649	443	412	1,030	3,580
9	374	780	520	1,400	4,280	475	1,150	544	441	333	920	5,100
10	360	548	460	1,150	3,650	460	1,020	482	414	272	854	5,790
11	331	449	430	1,070	2,260	449	863	480	374	241	590	6,330
12	331	399	410	943	1,490	541	739	951	440	220	434	6,090
13	348	368	400	867	1,170	808	1,660	1,560	440	213	370	4,050
14	348	345	400	811	1,050	757	3,560	1,210	582	208	567	1,820
15	312	357	400	764	975	601	6,060	878	913	206	1,240	1,190
16	291	496	450	729	1,070	514	7,990	612	735	221	973	957
17	298	464	500	708	1,220	473	9,450	492	518	277	957	795
18	329	459	450	667	1,110	445	7,620	440	396	488	715	680
19	351	437	400	635	1,050	430	4,680	462	342	502	839	597
20	328	386	1,500	1,230	1,120	457	2,360	612	423	542	573	534
21	284	410	3,000	2,740	970	834	1,420	569	384	468	428	490
22	258	666	1,600	3,890	924	1,170	1,140	486	330	526	350	623
23	243	722	1,100	3,820	1,050	1,170	1,030	667	296	524	301	891
24	234	617	900	3,010	992	1,030	995	979	380	907	268	599
25	226	515	900	3,340	922	816	916	821	492	1,400	242	480
26	220	440	3,000	3,920	813	803	814	630	357	975	230	436
27	214	457	6,000	4,240	689	2,140	731	554	301	592	238	430
28	211	727	8,000	4,530	642	3,810	665	514	263	522	262	428
29	212	1,050	8,600	4,240	------	5,640	612	486	241	441	322	410
30	213	829	8,000	4,070	------	6,540	573	416	228	407	309	389
31	236	------	6,000	3,920	------	5,520	------	374	------	546	304	------
TOTAL	12,386	17,948	59,396	71,104	46,657	40,308	72,694	20,700	13,781	13,145	18,570	48,757
MEAN	400	598	1,916	2,294	1,666	1,300	2,423	668	459	424	599	1,625
MAX	978	1,540	8,600	4,530	4,280	6,540	9,450	1,560	913	1,400	1,240	6,330
MIN	211	296	400	635	642	430	573	374	228	206	230	389
CFSM	.96	1.44	4.61	5.51	4.00	3.13	5.82	1.61	1.10	1.02	1.44	3.91
IN.	1.11	1.60	5.31	6.36	4.17	3.60	6.50	1.85	1.23	1.18	1.66	4.36

CAL YR 1973 TOTAL 416,742 MEAN 1,142 MAX 11,100 MIN 190 CFSM 2.75 IN 37.27
WTR YR 1974 TOTAL 435,446 MEAN 1,193 MAX 9,450 MIN 206 CFSM 2.87 IN 38.94

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-29	Time and discharge unknown			03-30	1130	14.63	6,690
01-28	0830	13.95	4,650	04-17	1530	15.66	9,780
02-09	1800	13.87	4,420	09-11	2330	14.59	6,570

NOTE: No gage-height record Dec. 2 to Jan. 3.

02479560 Escatawpa River near Agricola, Miss.

LOCATION.--Lat 30°48'32", long 88°27'41", in SW¼ sec. 2, T. 3 S., R. 5 W., George County, Miss., on downstream side of bridge on county road 612, 6.7 mi (10.8 km) west of Wilmer, Ala., 2.5 mi (4.0 km) west of Alabama-Mississippi State line, 4.8 mi (7.7 km) below old gage at Escatawpa River near Wilmer, Ala.

DRAINAGE AREA.--556 mi^2 (1,440 km^2).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m) from topographic map.

EXTREMES.--Current year: Maximum discharge, 10,500 ft^3/s (297 m^3/s) Apr. 17 (gage height, 17.85 ft or 5.441 m); minimum, 163 ft^3/s (4.62 m^3/s) July 2 (gage height, 2.40 ft or 0.732 m).
Period of record: Maximum discharge, 10,500 ft^3/s (297 m^3/s) Apr. 17, 1974 (gage height, 17.85 ft or 5.441 m); minimum, 163 ft^3/s (4.62 m^3/s) July 2, 1974 (gage height, 2.40 ft or 0.732 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,000	364	995	2,420	3,500	752	2,570	584	400	169	272	355
2	1,200	310	900	2,730	2,710	673	2,450	546	1,000	169	978	921
3	1,700	290	779	2,210	2,250	628	2,420	522	1,500	171	935	1,300
4	1,200	250	823	2,120	1,830	600	2,460	494	1,300	174	999	1,530
5	1,100	500	1,100	2,160	1,450	578	2,160	551	830	238	1,180	2,180
6	1,000	640	1,020	1,890	1,220	570	1,700	597	573	326	759	2,550
7	800	520	949	1,830	2,290	543	1,420	546	457	351	526	2,320
8	700	460	808	1,940	4,380	512	1,380	504	433	567	668	5,900
9	600	430	683	1,720	3,870	490	1,380	460	410	538	568	8,800
10	500	620	594	1,480	2,700	470	1,210	426	424	378	466	9,050
11	450	600	516	1,270	2,140	455	1,070	450	645	276	352	8,390
12	400	550	453	1,130	2,010	611	950	656	453	210	297	7,710
13	370	430	424	1,020	1,660	904	2,670	665	448	183	249	6,200
14	350	360	396	939	1,300	956	5,520	548	645	191	436	3,600
15	330	340	383	902	1,120	920	7,630	436	836	185	623	1,960
16	306	480	417	887	1,140	865	9,370	396	562	271	1,190	1,380
17	332	540	408	859	1,250	817	10,300	368	401	309	1,750	1,070
18	414	500	398	817	1,230	712	9,310	340	326	245	1,550	842
19	490	420	394	758	1,240	619	6,600	364	419	214	1,190	689
20	383	360	694	1,130	1,300	1,000	3,410	326	824	195	853	591
21	310	700	1,740	2,780	1,200	1,530	1,980	304	628	361	571	616
22	275	1,400	2,100	3,600	1,310	2,150	1,460	419	417	276	628	547
23	257	1,300	1,940	2,780	1,380	1,790	1,300	1,010	306	202	449	475
24	243	1,100	1,700	3,320	1,250	1,440	1,280	960	266	479	334	421
25	233	800	1,710	4,260	1,100	1,230	1,150	750	235	447	273	389
26	225	650	2,230	4,380	980	1,300	998	450	214	449	283	370
27	220	540	2,980	3,730	898	2,780	875	450	198	307	262	376
28	216	866	2,860	3,180	836	4,710	782	420	187	246	237	368
29	217	974	2,780	3,160	------	4,860	696	400	181	251	240	346
30	216	1,030	2,760	3,970	------	4,400	631	350	176	231	241	320
31	271	------	2,540	4,070	------	3,500	------	300	------	237	271	------
TOTAL	16,308	18,324	38,474	69,442	49,544	43,365	87,132	15,592	15,694	8,846	19,630	71,566
MEAN	526	611	1,241	2,240	1,769	1,399	2,904	503	523	285	633	2,386
MAX	1,700	1,400	2,980	4,380	4,380	4,860	10,300	1,010	1,500	567	1,750	9,050
MIN	216	250	383	758	836	455	631	300	176	169	237	320
CFSM	.95	1.10	2.23	4.03	3.18	2.52	5.22	.90	.94	.51	1.14	4.29
IN.	1.09	1.23	2.57	4.65	3.31	2.90	5.83	1.04	1.05	.59	1.31	4.79

WTR YR 1974 TOTAL 453,917 MEAN 1,244 MAX 10,300 MIN 169 CFSM 2.24 IN 30.37

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-17	1600	17.85	10,500	9-09	2100	17.25	9,270

02481000 Biloxi River at Wortham, Miss.

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ sec.31, T.5 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mile (1.3 km) east of Wortham, 1 mile (1.6 km) downstream from Illinois Central Railroad bridge, 1 mile (1.6 km) upstream from Saucier Creek, and 4.2 miles (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi^2 (248.9 km^2).

PERIOD OF RECORD.--October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.18 ft (6.456 m) above mean sea level (levels by Mississippi State Highway Department).

AVERAGE DISCHARGE.--22 years, 179 ft^3/s (5.069 m^3/s), 25.29 in/yr (642 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,820 ft^3/s (108 m^3/s) Apr. 13 (gage height, 13.51 ft or 4.118 m); minimum, 19 ft^3/s (0.538 m^3/s) Oct. 30, 31 (gage height, 0.68 ft or 0.207 m).
Period of record: Maximum discharge, 8,420 ft^3/s (238 m^3/s) Apr. 27, 1964; maximum gage height, 21.08 ft (6.425 m) Sept. 18, 1957; minimum discharge, 1.1 ft^3/s (0.031 m^3/s).
Flood in 1948 reached a stage of 23.3 ft (7.10 m), from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft (2.59 m) higher than that of Sept. 18, 1957, at a point about 1 mile (1.6 km) upstream, from information by local residents.

REMARKS.--Records good.

REVISIONS.--WRD Miss. 1972: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	452	85	113	464	411	90	235	53	34	27	134	93
2	240	77	89	464	490	88	1,320	51	414	26	60	77
3	153	56	77	360	665	85	1,120	348	362	26	61	81
4	110	42	255	1,040	421	82	663	312	133	25	80	52
5	85	702	453	693	281	80	362	258	75	24	332	39
6	68	686	239	400	226	77	233	214	57	24	129	37
7	59	395	131	491	1,870	73	176	119	61	30	65	663
8	57	171	99	532	1,590	67	358	79	122	38	144	2,230
9	52	119	87	338	963	62	360	59	133	30	165	2,280
10	53	98	79	258	504	59	197	48	67	28	68	1,820
11	86	79	71	212	354	58	137	158	108	26	36	911
12	75	64	65	174	280	134	122	344	76	25	65	392
13	80	56	64	141	237	137	2,580	172	44	24	37	250
14	69	51	61	125	208	97	1,850	88	111	28	294	184
15	54	55	60	118	191	69	1,810	56	199	26	1,010	187
16	60	176	64	115	298	62	1,400	44	114	25	731	141
17	187	129	57	109	261	59	883	37	54	24	506	105
18	111	78	49	102	180	53	412	33	37	23	543	81
19	77	61	48	100	326	48	275	33	38	23	352	64
20	53	53	571	664	265	49	210	66	32	25	222	56
21	42	157	536	869	180	380	167	46	30	54	111	55
22	36	281	319	618	193	378	153	302	29	98	75	81
23	32	162	163	295	163	167	269	674	28	165	56	178
24	29	106	136	1,010	131	102	185	416	314	195	47	88
25	26	86	207	1,240	111	98	123	151	334	466	38	55
26	24	77	1,390	1,550	100	273	95	123	107	154	37	53
27	23	85	1,280	1,030	94	2,320	81	161	53	116	45	64
28	21	302	736	638	91	2,070	71	116	33	128	67	57
29	20	383	340	963	------	1,390	64	70	29	67	69	51
30	19	181	249	1,280	------	625	58	50	28	49	60	50
31	34	------	302	649	------	330	------	38	------	545	53	------
TOTAL	2,487	5,053	8,429	17,042	11,084	9,662	15,969	4,719	3,256	2,564	5,692	10,475
MEAN	80.2	168	272	550	396	312	532	152	109	82.7	184	349
MAX	452	702	1,390	1,550	1,870	2,320	2,580	674	414	545	1,010	2,280
MIN	19	42	48	100	91	48	58	33	28	23	36	37
CFSM	.83	1.75	2.83	5.72	4.12	3.25	5.54	1.58	1.13	.86	1.91	3.63
IN.	.96	1.96	3.26	6.60	4.29	3.74	6.18	1.83	1.26	.99	2.20	4.05

CAL YR 1973 TOTAL 107,070 MEAN 293 MAX 4,930 MIN 10 CFSM 3.05 IN 41.45
WTR YR 1974 TOTAL 96,432 MEAN 264 MAX 2,580 MIN 19 CFSM 2.75 IN 37.33

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-26	1545	9.26	2,130	04-02	1430	9.19	2,120
01-29	2245	9.15	2,090	04-13	1230	13.51	3,820
02-07	1030	11.25	2,910	09-09	2000	10.63	2,660
03-27	1245	10.67	2,680				

02481510 Wolf River near Landon, Miss.

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens meridian, Harrison County, on left bank at downstream side of bridge on county highway, 0.3 mile (0.5 km) downstream from Sandy Creek, 1.3 miles (2.1 km) upstream from Pole Branch, and 11 miles (17.7 km) northwest of Landon.

DRAINAGE AREA.--308 mi^2 (798 km^2).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1964-66. August 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft (6.504 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 8,100 ft^3/s (229 m^3/s) Apr. 13 (gage height, 12.55 ft or 3.825 m); minimum, 128 ft^3/s (3.62 m^3/s) Oct. 29, 30 (gage height, 1.67 ft or 0.509 m).
Period of record: Maximum discharge, about 13,200 ft^3/s (374 m^3/s) Mar. 24 or 25, 1973 (gage height, 16.5 ft or 5.03 m, from reconstructed graph); minimum, 44 ft^3/s (1.25 m^3/s) Oct. 18-22, 1972; minimum gage height, 1.32 ft (0.402 m) July 21, 1973.
Flood of April 27, 1964, reached a stage of 21.06 ft (6.419 m). The flood of 1920 reached a stage about 5 ft (1.5 m) higher than that of April 1964, from information by local resident.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	822	244	523	1,710	1,790	449	1,500	322	218	156	204	340
2	471	275	404	1,700	1,790	428	3,200	315	680	153	175	226
3	420	220	336	1,480	2,370	404	3,000	771	581	150	247	177
4	494	180	458	2,610	1,970	392	2,020	711	333	150	172	188
5	408	1,730	685	1,700	1,530	381	1,360	855	238	200	158	195
6	351	2,580	592	1,290	1,270	366	972	771	226	347	165	162
7	259	1,810	440	1,360	4,940	354	743	542	266	509	153	1,370
8	220	1,110	373	1,510	4,400	336	930	385	226	351	528	6,150
9	232	706	319	1,200	2,650	322	990	308	209	226	408	5,840
10	209	528	285	990	1,810	312	716	266	201	193	229	4,710
11	291	424	266	855	1,370	305	566	458	218	177	162	2,660
12	278	362	256	743	1,080	381	485	1,920	215	170	150	1,560
13	229	322	250	664	900	838	5,770	1,190	201	170	175	1,040
14	201	302	247	597	788	566	6,540	618	198	212	302	706
15	182	298	244	566	716	400	7,390	400	344	175	883	514
16	272	319	244	566	942	351	7,700	312	333	162	408	412
17	930	322	238	533	1,060	322	4,240	266	250	165	226	344
18	805	291	232	499	810	298	2,110	241	209	177	420	288
19	467	272	232	485	978	275	1,450	244	198	340	638	247
20	295	259	1,740	2,790	972	300	1,110	278	209	336	358	218
21	229	358	2,000	3,760	690	1,100	883	244	198	880	201	201
22	193	597	1,290	2,210	788	1,500	754	1,040	195	690	155	298
23	175	612	844	1,440	1,010	860	777	1,770	190	754	148	235
24	160	445	680	2,750	799	560	701	1,040	269	1,040	144	198
25	150	373	644	3,560	664	500	576	592	288	1,400	140	190
26	144	340	3,260	4,440	552	1,000	494	449	195	542	137	190
27	137	381	5,650	3,750	485	5,600	436	445	180	373	134	193
28	135	827	4,840	2,790	471	6,000	392	381	170	298	170	190
29	130	912	2,300	2,840	------	5,000	362	305	165	193	607	188
30	130	716	1,530	3,170	------	2,500	340	253	160	167	654	182
31	162	------	1,560	2,470	------	1,500	------	226	------	253	654	------
TOTAL	9,581	18,115	32,962	57,028	39,595	33,840	58,507	17,918	7,563	10,909	9,305	29,412
MEAN	309	604	1,063	1,840	1,414	1,092	1,950	578	252	352	300	980
MAX	930	2,580	5,650	4,440	4,940	6,000	7,700	1,920	680	1,400	883	6,150
MIN	130	180	232	485	471	275	340	226	160	150	134	162
CFSM	1.00	1.96	3.45	5.97	4.59	3.55	6.33	1.88	.82	1.14	.97	3.18
IN.	1.16	2.19	3.98	6.89	4.78	4.09	7.07	2.16	.91	1.32	1.12	3.55

CAL YR 1973 TOTAL 329,863 MEAN 901 MAX 12,000 MIN 98 CFSM 2.93 IN 39.72
WTR YR 1974 TOTAL 324,735 MEAN 890 MAX 7,700 MIN 130 CFSM 2.89 IN 39.22

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-27	2200	10.64	6,180	†	Time and discharge unknown.		
01-20	2330	8.85	4,580	04-13	1200	12.55	8,100
01-26	1000	8.92	4,640	09-08	1400	10.99	6,490
02-07	1100	11.13	6,530				

† Mar. 27 or 28.

02482000 Pearl River at Edinburg, Miss.

LOCATION.--Lat 32°47'55", long 89°21'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw meridian, Leake County, on right bank 20 ft (6 m) downstream from bridge on State Highway 16 at Edinburg, 1,100 ft (335 m) downstream from Hooper Mill Creek, 3 miles (5 km) upstream from Rice Creek and at mile 387.5 (623.5 km).

DRAINAGE AREA.--898 mi^2 (2,326 km^2).

PERIOD OF RECORD.--August 1928 to current year. Gage-height records collected in same vicinity since 1908 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft (104.141 m) above mean sea level. Prior to July 2, 1930, nonrecording gage at site 500 ft (152 m) upstream at datum 0.12 ft (0.037 m) higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--46 years, 1,080 ft^3/s (30.59 m^3/s), 16.33 in/yr (415 mm/yr).

EXTREMES.--Current year: Maximum discharge, 28,800 ft^3/s (816 m^3/s) Apr. 15 (gage height, 26.72 ft or 8.144 m); minimum, 32 ft^3/s (0.91 m^3/s) Oct. 13, 14 (gage height, 2.30 ft or 0.701 m).

Period of record: Maximum discharge, 31,400 ft^3/s (889 m^3/s) Mar. 8, 1935; maximum gage height, 26.72 ft (8.144 m) Apr. 15, 1974; minimum discharge, 1.7 ft^3/s (0.048 m^3/s) Oct. 5, 1954 (gage height, 1.02 ft or 0.311 m).

The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of National Weather Service.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1929-30, 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	64	5,070	6,510	8,290	2,230	2,780	1,300	1,940	970	85	433
2	215	60	5,740	5,190	6,620	1,830	3,270	1,090	1,620	740	79	800
3	119	51	5,360	4,290	5,410	1,680	3,680	824	1,300	452	82	740
4	117	50	4,770	3,700	4,490	1,580	4,300	595	954	270	115	696
5	88	210	4,070	3,150	3,650	1,410	4,500	512	990	190	108	596
6	68	242	3,470	2,880	2,990	1,210	4,720	467	1,610	211	84	553
7	55	197	2,870	3,640	2,710	1,040	4,760	442	1,670	424	75	542
8	50	216	2,110	3,850	2,640	902	4,390	414	2,010	506	127	640
9	46	238	1,650	5,440	2,490	792	3,940	379	1,870	431	271	686
10	42	200	1,400	8,660	2,190	714	3,330	338	1,540	347	193	551
11	38	163	1,280	10,100	2,000	826	2,600	326	1,360	341	143	624
12	36	146	1,190	11,100	2,080	1,060	3,140	670	1,510	361	149	676
13	33	139	1,100	11,500	2,200	1,050	7,750	858	1,680	365	213	640
14	33	138	942	10,100	2,120	912	20,100	818	1,630	344	250	610
15	33	126	766	9,030	3,220	814	27,900	820	1,380	368	190	584
16	90	113	610	7,600	4,260	752	21,300	868	1,080	249	166	494
17	148	98	503	6,450	5,100	702	12,500	804	772	191	163	332
18	142	90	438	5,750	6,390	696	8,090	684	526	145	157	187
19	132	84	401	5,320	7,510	736	5,830	551	390	121	148	123
20	114	81	1,200	5,530	7,150	1,010	4,500	424	305	107	168	89
21	92	922	1,440	5,410	6,530	1,380	3,380	329	236	109	122	74
22	77	888	1,720	5,160	6,020	1,580	2,680	266	200	200	102	63
23	66	926	1,600	5,080	5,450	1,790	2,740	243	544	278	91	53
24	58	792	1,400	5,750	5,030	2,320	2,660	222	822	433	83	47
25	50	702	3,450	7,090	4,760	2,920	2,510	193	914	406	75	46
26	45	672	5,230	8,520	4,260	2,780	1,980	1,170	864	250	69	72
27	42	1,030	7,200	10,400	3,620	2,210	1,660	1,660	880	167	65	92
28	41	3,180	12,700	11,500	2,900	2,760	1,600	1,470	962	136	66	92
29	41	3,150	15,500	11,400	------	3,670	1,580	1,440	1,060	118	94	98
30	40	3,860	12,100	11,300	------	3,700	1,470	1,610	1,090	106	140	156
31	50	------	8,700	10,100	------	3,200	------	1,940	------	94	113	------
TOTAL	2,350	18,828	115,980	221,580	122,080	50,256	175,640	23,727	33,709	9,430	3,986	11,389
MEAN	75.8	628	3,741	7,148	4,360	1,621	5,855	765	1,124	304	129	380
MAX	215	3,860	15,500	11,500	8,290	3,700	27,900	1,940	2,010	970	271	800
MIN	33	50	401	2,880	2,000	696	1,470	193	200	94	65	46
CFSM	.08	.70	4.17	7.96	4.86	1.81	6.52	.85	1.25	.34	.14	.42
IN.	.10	.78	4.80	9.18	5.06	2.08	7.28	.98	1.40	.39	.17	.47

CAL YR 1973 TOTAL 682,587 MEAN 1,870 MAX 15,500 MIN 33 CFSM 2.08 IN 28.28
WTR YR 1974 TOTAL 788,955 MEAN 2,162 MAX 27,900 MIN 33 CFSM 2.41 IN 32.68

02482550 Pearl River near Carthage, Miss.

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ sec.24, T.10 N., R.7 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, 2.1 miles (3.4 km) south of Carthage, 4.0 miles (6.4 km) downstream from Lobutcha Creek, and 10.8 miles (17.4 km) upstream from Tuscolameta Creek.

DRAINAGE AREA.--1,347 mi^2 (3,489 km^2).

PERIOD OF RECORD.--September 1962 to current year.

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft (96.085 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 1,685 ft^3/s (47.72 m^3/s), 16.99 in/yr (432 mm/yr).

EXTREMES.--Current year: Maximum discharge, 29,400 ft^3/s (833 m^3/s) Apr. 16 (gage height, 24.54 ft or 7.480 m); minimum daily, 130 ft^3/s (3.68 m^3/s) Oct. 15.

Period of record: Maximum discharge, 29,400 ft^3/s (833 m^3/s) Apr. 16, 1974 (gage height, 24.54 ft or 7.480 m); minimum, 31 ft^3/s (0.88 m^3/s) Oct. 30, 1963 (gage height, 2.36 ft or 0.719 m).

The flood in March 1902 reached a stage of about 27 ft (8¼ m); flood in 1900 reached a stage of 25.6 ft (7.80 m); flood in 1932 reached a stage of 24.3 ft (7.41 m); flood of April 11, 1938, reached a stage of 23.3 ft (7.10 m), all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft or 7.74 m (discharge, 31,900 ft^3/s or 903 m^3/s).

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	299	212	5,190	11,200	12,600	4,880	5,110	2,000	2,230	1,260	226	658
2	419	237	5,620	8,460	10,500	4,050	5,190	1,760	2,230	1,120	207	1,120
3	433	226	6,080	6,980	8,600	3,330	5,340	1,510	2,060	894	209	935
4	332	210	6,180	6,310	7,280	2,760	5,900	1,220	1,720	656	236	897
5	290	493	5,850	5,810	6,040	2,370	5,790	1,110	1,420	496	240	830
6	241	640	5,060	5,520	5,160	2,090	5,510	1,090	2,220	445	225	736
7	203	574	4,300	6,570	4,580	1,820	5,380	1,030	2,510	520	197	687
8	184	532	3,630	8,460	4,260	1,600	5,180	911	2,710	645	222	710
9	181	490	2,840	9,450	4,110	1,440	4,910	810	3,230	665	378	815
10	160	490	2,200	10,700	3,950	1,310	4,520	731	4,270	588	432	791
11	151	484	1,840	15,800	3,650	1,230	3,980	693	3,870	520	360	724
12	144	449	1,640	17,500	3,450	1,540	4,360	892	3,180	508	296	794
13	138	409	1,520	17,000	3,420	1,930	10,300	1,220	2,830	514	311	810
14	132	360	1,380	16,000	3,440	1,940	14,500	1,320	2,550	508	452	765
15	130	337	1,240	15,000	4,450	1,760	23,100	1,250	2,100	568	405	724
16	199	317	1,060	12,800	6,230	1,510	28,000	1,180	1,740	654	362	680
17	504	294	914	10,600	7,360	1,330	21,700	1,150	1,400	456	330	597
18	684	276	806	8,450	7,660	1,240	15,900	1,050	1,070	377	335	470
19	527	261	755	7,800	8,620	1,200	10,700	928	880	318	305	372
20	392	264	1,680	8,110	9,060	1,620	7,770	791	753	288	287	308
21	324	1,380	2,080	8,170	8,870	2,230	5,880	663	643	272	293	264
22	272	1,780	2,250	7,720	9,140	2,600	4,830	566	556	308	247	241
23	235	1,770	2,370	7,480	8,760	2,690	4,750	512	858	404	213	212
24	209	1,690	2,280	8,240	7,960	2,740	4,260	487	1,310	468	191	190
25	190	1,470	5,670	11,800	7,070	3,100	3,950	458	1,450	616	173	176
26	176	1,230	11,000	14,900	6,450	3,600	3,650	1,300	1,510	572	158	205
27	161	1,510	13,600	15,200	6,020	3,860	3,210	3,210	1,470	437	150	278
28	152	3,950	14,700	15,100	5,550	3,630	2,770	3,390	1,410	357	166	300
29	146	4,590	16,000	16,000	------	3,460	2,540	2,740	1,290	311	200	311
30	140	5,130	17,300	15,100	------	3,940	2,240	2,290	1,280	276	318	371
31	157	------	15,200	13,700	------	4,790	------	2,170	------	248	332	------
TOTAL	7,905	32,055	162,235	341,970	184,240	77,590	231,220	40,432	56,750	16,269	8,456	16,971
MEAN	255	1,069	5,233	11,030	6,580	2,503	7,707	1,304	1,892	525	273	566
MAX	684	5,130	17,300	17,500	12,600	4,880	28,000	3,390	4,270	1,260	452	1,120
MIN	130	210	755	5,520	3,420	1,200	2,240	458	556	248	150	176
CFSM	.19	.79	3.88	8.19	4.88	1.86	5.72	.97	1.40	.39	.20	.42
IN.	.22	.89	4.48	9.44	5.09	2.14	6.39	1.12	1.57	.45	.23	.47

CAL YR 1973 TOTAL 1,022,229 MEAN 2,801 MAX 17,900 MIN 115 CFSM 2.08 IN 28.23
WTR YR 1974 TOTAL 1,176,093 MEAN 3,222 MAX 28,000 MIN 130 CFSM 2.39 IN 32.48

NOTE.--Doubtful gage-height record Oct. 10-16.

02483000 Tuscolameta Creek at Walnut Grove, Miss.

LOCATION.--Lat 32°35', long 89°28', in NW¼ sec.34, T.9 N., R.8 E., Choctaw meridian, Leake County, on right bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mile (0.6 km) southwest of Walnut Grove, 0.6 mile (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 miles (12.1 km) upstream from junction of north and south drainage canals, and 15.5 miles (24.9 km) upstream from mouth.

DRAINAGE AREA.--411 mi^2 (1,064 km^2), combined drainage area for all channels.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October to December 1938, published in WSP 1304.

GAGE.--Water-stage recorder. Prior to June 18, 1939, nonrecording gage and June 18, 1939, to July 13, 1953, water-stage recorder and nonrecording gage, at site 0.2 mile (0.3 km) upstream at same datum. Water-stage recorder, on south canal at bridge on State Highway 35, 1 mile (2 km) south of north canal gage. Prior to Nov. 24, 1943, nonrecording gage and Nov. 24, 1943, to Oct. 21, 1959, water-stage recorder, on south canal at site 1,800 ft (549 m) downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft (3.048 m) higher. Datum of gages is 322.70 ft (98.359 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--36 years, 488 ft^3/s (13.82 m^3/s), 16.12 in/yr (409 mm/yr).

EXTREMES.--Current year: Maximum discharge, 26,600 ft^3/s (753 m^3/s) Apr. 14 (gage height, 30.20 ft or 9.205 m); maximum gage height, south canal, 31.21 ft (9.513 m) Apr. 14; minimum daily discharge, 26 ft^3/s (0.74 m^3/s) Oct. 13, 14.

Period of record: Maximum discharge, 34,600 ft^3/s (980 m^3/s) Jan. 7, 1950 (gage height, 23.00 ft or 7.010 m, north canal, site and datum then in use); maximum gage height, south canal, 21.53 ft (6.562 m) Jan. 7, 1950, site and datum then in use; minimum discharge, 2.4 ft^3/s (0.068 m^3/s) Oct. 2, 1954.

Prior to canalization, creek reached a stage of 24.5 ft (7.47 m), site and datum then in use, from floodmark, sometime between 1920 and 1925.

REMARKS.--Records good. Discharge computed by combining the flow of individually rated channels.

REVISIONS (WATER YEARS).--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	600	45	1,140	1,290	1,220	281	367	116	54	40	30	571
2	403	66	330	1,250	617	263	1,130	107	319	41	29	2,140
3	436	57	217	962	507	261	1,810	107	277	40	96	1,650
4	342	55	596	1,180	402	238	2,250	163	121	37	86	589
5	129	242	1,140	1,200	334	219	1,120	583	161	36	63	252
6	79	328	897	1,270	581	201	456	337	2,080	169	73	137
7	57	217	541	2,480	2,360	187	242	184	2,360	207	45	107
8	43	209	255	2,440	3,040	178	173	121	1,300	117	47	689
9	38	197	179	2,410	2,730	163	129	101	360	57	49	985
10	35	132	151	1,760	1,200	152	106	88	170	47	45	743
11	32	90	129	2,890	568	153	89	125	106	43	41	534
12	29	68	115	3,240	444	507	2,480	634	78	41	43	276
13	26	59	113	3,210	355	871	15,200	485	83	34	323	179
14	26	54	112	2,960	333	595	21,300	230	112	32	444	132
15	28	55	134	3,560	2,680	355	10,200	129	85	30	238	107
16	71	55	250	3,680	5,370	232	5,510	93	62	40	194	89
17	240	50	204	2,600	7,500	191	2,240	80	54	39	121	75
18	162	46	162	1,230	5,900	163	570	71	48	34	244	65
19	90	45	157	728	4,620	158	336	66	52	105	270	65
20	62	53	1,600	2,800	2,990	255	255	63	54	70	167	58
21	50	1,030	2,040	4,370	2,060	405	211	56	46	49	80	45
22	42	1,390	1,770	5,440	2,930	429	632	53	41	60	53	41
23	37	1,060	938	3,730	2,890	347	2,120	55	525	44	41	38
24	33	571	399	2,950	2,010	265	2,060	64	1,180	40	36	36
25	32	256	2,980	4,160	820	219	1,320	61	478	44	35	35
26	29	169	6,360	5,580	445	233	483	119	172	59	34	49
27	28	816	9,460	5,490	347	453	243	244	87	50	33	140
28	27	3,550	7,550	5,830	316	784	181	168	59	42	34	153
29	29	4,410	4,970	5,650	------	908	150	92	48	38	41	141
30	31	3,220	1,870	5,510	------	932	129	70	43	33	89	192
31	33	------	927	3,450	------	640	------	59	------	32	324	------
TOTAL	3,299	18,595	47,686	95,300	55,569	11,238	73,492	4,924	10,535	1,750	3,448	10,313
MEAN	106	620	1,538	3,074	1,985	363	2,450	159	351	56.5	111	344
MAX	600	4,410	9,460	5,830	7,500	932	21,300	634	2,360	207	444	2,140
MIN	26	45	112	728	316	152	89	53	41	30	29	35
CFSM	.26	1.51	3.74	7.48	4.83	.88	5.96	.39	.85	.14	.27	.84
IN.	.30	1.68	4.32	8.63	5.03	1.02	6.65	.45	.95	.16	.31	.93

CAL YR 1973 TOTAL 326,433 MEAN 894 MAX 15,200 MIN 21 CFSM 2.18 IN 29.55
WTR YR 1974 TOTAL 336,149 MEAN 921 MAX 21,300 MIN 26 CFSM 2.24 IN 30.43

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-29	1400	25.44	4,640	01-28	1500	26.25	6,630
12-27	0700	27.24	9,800	02-17	0930	26.63	7,870
01-22	0345	25.95	5,770	04-14	0045	30.20	26,600

02484000 Yockanookany River near Kosciusko, Miss.

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw meridian, Attala County, on left bank at downstream side of bridge on State Highway 35, 2 miles (3 km) south of Kosciusko.

DRAINAGE AREA.--314 mi^2 (813 km^2).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft (114.099 m) above mean sea level (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 410 ft^3/s (11.61 m^3/s), 17.73 in/yr (450 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,560 ft^3/s (214 m^3/s) Dec. 27 (gage height, 15.70 ft or 4.785 m); minimum, 12 ft^3/s (0.34 m^3/s) Oct. 13; minimum gage height, 5.36 ft (1.634 m) July 12, 14.

Period of record: Maximum discharge, 19,300 ft^3/s (547 m^3/s) Mar. 29, 1951 (gage height, 18.72 ft or 5.706 m); minimum, 2.3 ft^3/s (0.07 m^3/s) Aug. 20-24, 1943; minimum gage height, 0.10 ft (0.030 m) Sept. 3-6, 1939.

Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1946.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	66	840	356	1,250	206	1,360	126	160	52	40	94
2	80	52	270	250	594	191	651	131	260	45	38	100
3	64	37	165	643	531	182	708	137	164	40	35	78
4	46	48	263	2,150	429	171	501	147	102	35	35	57
5	34	318	419	1,990	298	157	393	429	141	33	39	49
6	28	214	303	2,390	443	145	272	278	1,020	52	34	44
7	23	104	174	3,680	1,740	138	219	167	1,270	45	32	42
8	20	139	135	3,080	2,000	129	209	126	1,500	36	46	42
9	18	613	120	3,860	1,640	119	204	108	1,350	30	57	47
10	22	991	111	4,370	1,000	112	180	95	494	29	45	48
11	18	409	103	3,740	499	137	163	114	326	32	38	59
12	16	130	99	4,180	308	299	703	250	180	32	91	60
13	14	91	103	4,020	245	347	3,330	194	126	39	221	45
14	16	76	99	3,450	248	201	3,570	130	104	32	389	39
15	20	71	93	3,180	1,710	143	4,060	94	85	31	249	36
16	353	67	88	2,740	3,170	134	2,470	86	75	31	92	34
17	207	64	84	2,760	3,020	137	807	87	66	31	60	31
18	89	60	80	2,140	2,750	117	326	74	142	37	46	29
19	52	58	97	977	1,690	126	241	63	241	323	38	28
20	38	73	533	1,480	876	780	208	54	147	175	34	26
21	28	875	1,150	2,970	614	2,170	181	46	99	397	31	25
22	25	1,850	707	2,770	2,120	2,290	520	45	74	343	29	25
23	22	1,220	316	3,090	2,280	1,730	1,970	64	342	132	27	23
24	21	515	356	3,600	2,420	779	1,810	67	1,180	138	26	21
25	20	220	3,370	5,210	1,470	379	1,490	53	1,210	104	25	26
26	18	223	5,430	6,670	519	302	550	483	465	83	24	55
27	18	811	6,850	5,110	281	277	244	847	143	72	24	59
28	22	2,620	6,620	3,610	229	270	190	363	96	69	25	63
29	24	2,240	4,240	3,310	------	1,940	158	151	75	66	104	259
30	24	1,750	2,010	2,930	------	2,540	140	95	63	54	350	134
31	39	------	708	2,580	------	2,080	------	71	------	45	140	------
TOTAL	1,684	16,005	35,936	93,306	34,374	18,728	27,828	5,175	11,700	2,663	2,464	1,678
MEAN	54.3	534	1,159	3,010	1,228	604	928	167	390	85.9	79.5	55.9
MAX	353	2,620	6,850	6,670	3,170	2,540	4,060	847	1,500	397	389	259
MIN	14	37	80	250	229	112	140	45	63	29	24	21
CFSM	.17	1.70	3.69	9.59	3.91	1.92	2.96	.53	1.24	.27	.25	.18
IN.	.20	1.90	4.26	11.05	4.07	2.22	3.30	.61	1.39	.32	.29	.20

CAL YR 1973 TOTAL 260,596 MEAN 714 MAX 15,100 MIN 14 CFSM 2.27 IN 30.87
WTR YR 1974 TOTAL 251,541 MEAN 689 MAX 6,850 MIN 14 CFSM 2.19 IN 29.80

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	2000	15.70	7,560	02-16	1100	13.70	3,240
01-10	0600	14.50	4,700	03-30	0100	13.76	3,340
01-26	1300	15.47	6,960	04-15	0600	14.48	4,660

02484500 Yockanookany River near Ofahoma, Miss.

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ sec.22, T.10 N., R.6 E., Choctaw meridian, Leake County, near center of main span on downstream side of bridge on State Highway 16, 1.5 miles (2.4 km) east of Ofahoma, 3 miles (5 km) upstream from mouth, and 8.5 miles (13.7 km) southwest of Carthage.

DRAINAGE AREA.--484 mi^2 (1,254 km^2).

PERIOD OF RECORD.--October 1943 to current year. Prior to October 1947, published as Yokahockany River near Ofahoma.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft (94.839 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 656 ft^3/s (18.58 m^3/s), 18.41 in/yr (468 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,200 ft^3/s (289 m^3/s) Jan. 25 (gage height, 17.86 ft or 5.444 m); minimum, 21 ft^3/s (0.59 m^3/s) Oct. 15; minimum gage height, 1.97 ft (0.600 m) Aug. 28.
Period of record: Maximum discharge, 20,700 ft^3/s (586 m^3/s) Mar. 31, 1951 (gage height, 20.28 ft or 6.181 m); minimum, 4.9 ft^3/s (0.14 m^3/s) Aug. 20, Sept. 11, 1954; minimum gage height, 1.86 ft (0.567 m) Sept. 26, 27, 1973.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1204: 1948. WSP 1504: 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	276	45	2,630	3,980	3,840	1,100	3,260	283	239	141	77	365
2	351	55	2,390	2,500	3,450	717	3,390	230	207	109	68	355
3	366	68	1,920	1,860	2,760	531	2,970	202	307	90	60	220
4	181	65	1,450	2,320	1,890	446	1,990	192	353	79	57	193
5	90	289	957	1,850	1,290	395	1,350	193	286	72	54	147
6	61	287	642	2,140	1,040	354	1,080	243	799	67	51	110
7	48	348	590	6,230	1,110	312	863	382	873	193	53	91
8	40	392	553	6,930	1,280	278	619	400	948	238	56	85
9	35	246	406	5,740	1,550	256	407	254	2,270	123	58	78
10	30	233	261	7,300	2,130	238	311	179	3,020	83	59	76
11	27	372	204	8,010	2,170	223	265	164	2,130	68	73	93
12	25	509	181	7,030	1,820	290	977	235	1,560	60	73	146
13	25	625	166	5,660	1,370	415	5,930	278	994	58	65	141
14	23	476	156	5,200	968	502	5,780	310	496	56	145	118
15	22	201	159	6,350	1,410	557	5,650	254	254	73	303	91
16	40	132	154	6,080	3,660	490	5,760	179	189	164	363	75
17	244	104	141	4,710	4,600	339	5,760	135	154	93	357	67
18	450	88	130	3,660	4,600	267	4,370	116	131	64	213	61
19	497	79	127	3,200	4,130	284	2,760	112	117	66	118	57
20	259	77	488	3,390	3,830	712	1,640	100	182	114	87	52
21	109	462	541	3,480	3,130	806	862	89	263	250	72	49
22	65	633	599	2,840	3,690	867	653	83	203	258	62	47
23	50	662	742	3,500	3,100	1,160	1,140	80	205	321	56	44
24	42	833	915	5,770	2,630	1,990	1,050	77	268	379	50	43
25	37	1,050	4,150	8,820	2,740	2,290	1,250	83	364	374	46	42
26	33	1,190	6,680	7,420	2,730	1,890	1,860	1,050	537	256	44	52
27	30	1,140	7,450	7,380	2,460	1,290	1,940	2,330	776	168	43	57
28	29	2,140	7,550	7,950	1,740	812	1,580	1,480	953	126	41	97
29	29	2,800	7,630	7,560	------	872	950	1,200	648	104	52	102
30	28	2,540	7,600	5,540	------	1,810	446	995	231	94	73	132
31	37	------	5,990	4,570	------	2,690	------	533	------	88	177	------
TOTAL	3,579	18,141	63,552	159,390	71,118	25,173	66,863	12,441	19,957	4,429	3,106	3,276
MEAN	115	605	2,050	5,142	2,540	812	2,229	401	665	143	100	109
MAX	497	2,800	7,630	8,820	4,600	2,690	5,930	2,330	3,020	379	363	365
MIN	22	45	127	1,860	968	223	265	77	117	56	41	42
CFSM	.24	1.25	4.24	10.6	5.25	1.68	4.61	.83	1.37	.30	.21	.23
IN.	.28	1.39	4.88	12.25	5.47	1.93	5.14	.96	1.53	.34	.24	.25

CAL YR 1973 TOTAL 421,609 MEAN 1,155 MAX 14,400 MIN 18 CFSM 2.39 IN 32.40
WTR YR 1974 TOTAL 451,025 MEAN 1,236 MAX 8,820 MIN 22 CFSM 2.55 IN 34.67

02486000 Pearl River at Jackson, Miss.

LOCATION.--Lat 32°17'20", long 90°10'45", in NE¼SE¼ sec.10, T.5 N., R.1 E., Choctaw meridian, Rankin County, on left bank at downstream side of Woodrow Wilson Bridge at eastern city limits of Jackson, 0.2 mile (0.3 km) upstream from Illinois Central Railroad bridge, 0.2 mile (0.3 km) upstream from Town Creek, 4.5 miles (7.2 km) upstream from Richland Creek, and at mile 287.6 (462.7 km).

DRAINAGE AREA.--3,100 mi² (8,030 km²), approximately.

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, gage heights only), August 1928 to current year. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 234.90 ft (71.598 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 31, 1913; and Aug. 15, 1928, to Sept. 14, 1934, nonrecording gage at same site and datum. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant, 7 miles (11 km) upstream. Datum of auxiliary gage is 239.40 ft (72.969 m) above mean sea level.

AVERAGE DISCHARGE.--57 years (1901-12, 1928-73), 3,846 ft³/s (108.9 m³/s), 16.85 in/yr (428 mm/yr).

EXTREMES.--Current year: Maximum discharge, 40,200 ft³/s (1,138 m³/s) Apr. 19 (gage height, 34.36 ft or 10.473 m at Woodrow Wilson Bridge); maximum gage height at waterworks, 31.90 ft or 9.723 m Apr. 19; minimum daily discharge, 92 ft³/s (2.61 m³/s) Nov. 18.

Period of record: Maximum discharge, 85,000 ft³/s (2,410 m³/s) Mar. 31, 1902 (gage height, 37.5 ft or 11.43 m) from rating curve extended above 57,000 ft³/s (1,610 m³/s); minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 ft³/s (2.21 m³/s) Oct. 11, 1954; minimum unregulated gage height, 0.20 ft (0.061 m) Nov. 4, 5, 1911.

According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft (11.3 m); and the flood of Dec. 5, 1880, reached a stage of 36½ ft (11¼ m). The flood of Apr. 21, 1900, reached a stage of 36.7 ft (11.19 m), according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

REMARKS.--Records good. About 35 ft³/s (0.99 m³/s) is diverted upstream from station for municipal water supply for city of Jackson, most of which is returned to river and is included in discharge records. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 19 miles (31 km) upstream.

REVISIONS (WATER YEARS).--WSP 662: Drainage area. WSP 1504: 1903, 1909.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	439	397	11,200	31,500	35,400	11,700	7,440	3,420	5,210	1,780	320	1,450
2	1,060	387	11,900	31,200	32,400	10,400	8,580	2,740	3,030	1,450	314	1,870
3	1,120	653	11,500	30,900	29,100	9,360	9,900	2,430	2,590	929	439	2,800
4	1,340	1,020	11,200	29,100	27,100	7,420	10,000	1,920	2,200	870	353	3,440
5	1,320	1,550	10,300	22,800	22,500	4,270	10,500	1,890	1,770	851	325	3,270
6	753	1,770	9,410	17,700	17,200	3,080	10,200	2,440	4,780	858	322	2,930
7	711	2,170	8,910	16,300	14,500	2,750	10,400	2,450	5,620	921	325	2,330
8	620	2,610	8,510	15,100	13,900	2,570	9,530	2,220	7,920	1,180	350	4,520
9	370	3,070	8,390	14,200	12,900	2,530	7,910	1,470	9,260	1,130	334	2,720
10	370	3,040	8,110	21,200	11,700	2,590	7,100	1,220	5,000	1,140	334	1,890
11	342	2,900	6,740	25,600	11,100	2,500	6,740	2,050	5,080	859	329	1,890
12	342	2,770	5,040	29,500	10,500	2,700	7,290	2,700	5,290	793	564	1,750
13	315	1,810	2,620	30,200	9,580	2,580	19,400	1,570	5,340	499	583	1,570
14	328	1,070	2,300	31,100	7,790	2,760	29,700	1,550	5,090	478	862	1,050
15	359	556	2,280	33,400	9,730	2,710	33,200	1,620	3,930	473	1,280	1,010
16	780	388	2,230	33,500	15,500	2,590	35,400	2,230	3,260	565	1,340	958
17	1,160	155	2,210	33,100	19,500	2,580	36,100	1,470	2,520	803	1,290	737
18	1,090	92	2,150	32,300	21,300	2,530	38,400	1,200	1,910	818	1,250	595
19	1,090	823	2,230	27,900	25,100	2,230	39,700	1,130	1,330	1,080	723	542
20	1,090	2,810	3,310	26,400	25,000	2,230	35,900	1,170	1,290	752	589	473
21	1,070	2,380	5,350	24,800	25,400	2,850	27,300	1,170	1,170	510	589	393
22	953	2,840	5,520	21,000	27,500	3,750	19,000	1,440	959	639	625	343
23	399	3,930	5,310	21,400	23,900	3,910	20,500	1,490	948	747	408	348
24	318	4,900	5,930	24,700	21,700	3,920	14,300	891	1,030	822	323	310
25	303	5,150	11,500	34,200	20,500	4,080	11,500	809	1,350	800	303	712
26	301	4,950	15,800	34,900	19,700	4,350	10,700	835	2,490	952	358	920
27	302	5,000	22,900	33,700	13,400	5,030	10,000	1,090	2,460	1,170	373	730
28	305	8,200	30,400	34,500	12,500	7,030	9,010	3,340	2,120	1,050	449	544
29	259	9,750	33,000	34,400	------	7,550	8,020	5,400	1,810	742	400	1,380
30	251	10,400	32,100	35,500	------	7,210	5,920	3,900	1,780	394	1,020	733
31	567	------	31,500	35,800	------	7,270	------	3,930	------	334	1,990	------
TOTAL	20,077	87,721	333,390	877,500	533,500	141,070	509,840	53,315	103,835	26,489	19,371	44,338
MEAN	648	2,924	10,750	28,310	19,050	4,551	16,990	2,042	3,461	854	625	1,479
MAX	1,350	10,400	33,000	35,800	35,400	11,700	39,700	5,400	9,260	1,780	1,990	4,520
MIN	251	92	2,150	16,100	7,790	2,230	5,920	809	948	334	303	310
CFSM	.21	.94	3.47	9.13	5.15	1.47	5.48	.66	1.12	.28	.20	.48
IN.	.24	1.05	4.00	10.53	5.40	1.69	6.12	.76	1.24	.32	.23	.53

02488500 Pearl River near Monticello, Miss.

LOCATION.--Lat 31°33', long 90°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mile (1.6 km) east of Monticello, 2.5 miles (4.0 km) upstream from Halls Creek, 3 miles (5 km) upstream from Silver Creek, and at mile 190.8 (307.0 km).

DRAINAGE AREA.--5,040 mi^2 (13,050 km^2), approximately.

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft (48.360 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

AVERAGE DISCHARGE.--36 years, 6,242 ft^3/s (176.8 m^3/s), 16.82 in/yr (427 mm/yr).

EXTREMES.--Current year: Maximum discharge, 78,200 ft^3/s (2,210 m^3/s) Apr. 14 (gage height, 32.28 ft or 9.839 m); minimum, 624 ft^3/s (17.7 m^3/s) Sept. 25; minimum gage height, 4.90 ft (1.494 m) Oct. 31.
Period of record: Maximum discharge, 78,200 ft^3/s (2,210 m^3/s) Apr. 14, 1974 (gage height, 32.28 ft or 9.839 m); minimum, 269 ft^3/s (7.62 m^3/s) Oct. 24, 1963.
Flood in April 1902 reached a stage of about 33 ft (10 m), from reports of National Weather Service; discharge, about 100,000 ft^3/s (2,830 m^3/s), from rating curve extended above 70,000 ft^3/s or 1,980 m^3/s. A discharge of 69,900 ft^3/s (1,980 m^3/s) was measured Apr. 8, 1938, by Corps of Engineers (gage height, 30.15 ft or 9.190 m, from floodmark).

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1504: 1939, 1949.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,860	753	13,800	30,200	45,300	26,800	10,400	12,900	4,740	2,100	1,230	3,680
2	2,040	928	12,600	30,700	43,500	24,300	15,000	9,450	6,440	2,050	977	4,380
3	1,590	944	11,800	32,000	41,600	21,500	18,600	6,820	7,130	2,010	900	3,840
4	1,550	856	12,100	33,600	40,000	18,600	17,400	5,760	5,080	1,710	875	3,450
5	1,540	2,720	12,700	34,800	38,500	15,600	15,500	5,540	4,390	1,360	911	3,810
6	1,690	4,800	12,900	35,200	36,900	11,800	14,400	5,580	4,390	1,270	906	4,010
7	1,630	3,310	12,300	35,500	35,800	7,550	13,400	4,860	5,470	1,400	840	3,810
8	1,280	2,750	11,200	35,600	34,700	5,770	12,700	4,690	7,690	1,470	790	3,650
9	1,110	3,570	10,100	34,300	33,200	5,160	12,200	4,530	7,590	1,400	825	4,400
10	1,090	4,530	9,270	31,800	31,300	4,890	11,600	3,960	8,150	1,410	885	5,210
11	958	4,020	8,960	30,200	28,500	4,770	10,200	3,560	8,460	1,720	830	4,290
12	863	3,700	8,400	30,900	25,000	4,310	14,600	4,550	7,350	1,560	780	3,300
13	816	3,460	7,380	31,000	21,100	11,400	56,000	4,720	6,770	1,380	800	2,820
14	803	3,100	5,310	30,900	18,000	9,580	76,200	4,680	6,830	1,250	795	2,480
15	797	2,300	3,720	31,000	15,800	6,730	68,000	3,500	6,770	1,190	1,230	2,190
16	858	1,640	3,300	31,900	19,400	5,530	59,100	3,190	6,130	1,180	1,440	1,600
17	1,090	1,260	3,170	33,500	24,400	5,010	52,300	3,290	4,730	1,260	1,790	1,400
18	1,740	978	3,040	34,700	26,800	4,790	46,700	3,350	3,840	1,380	2,440	1,200
19	1,730	862	3,010	36,800	27,000	4,540	42,200	2,800	3,150	1,420	3,240	1,130
20	1,530	749	6,840	39,900	28,900	4,240	39,500	2,470	2,380	1,400	2,510	1,050
21	1,470	3,230	9,590	40,800	29,500	4,240	38,400	2,300	1,910	1,300	1,350	950
22	1,400	6,070	9,350	40,500	30,700	4,780	38,900	2,470	1,750	1,200	1,080	830
23	1,350	7,810	8,660	39,400	31,400	5,240	39,400	2,820	1,650	1,250	1,020	728
24	1,290	5,640	7,870	40,900	31,800	5,720	37,500	3,030	1,500	1,200	977	682
25	1,020	5,600	15,400	42,700	31,900	6,050	34,500	2,670	1,520	1,350	850	644
26	828	6,010	25,500	43,900	31,600	6,350	31,500	2,260	1,520	1,450	785	1,110
27	760	6,300	29,700	42,000	30,200	9,620	28,400	2,360	2,100	1,500	720	2,700
28	738	12,700	31,000	44,100	28,700	12,700	25,100	2,300	2,600	1,550	795	1,960
29	786	16,600	30,500	47,900	------	12,600	23,500	2,620	2,630	1,600	1,050	1,940
30	762	15,500	29,900	47,900	------	11,400	16,500	4,660	2,330	1,550	1,360	3,160
31	724	------	30,000	46,900	------	11,000	------	5,360	------	1,600	1,510	------
TOTAL	37,635	135,670	389,470	1,143,60	862,200	296,170	916,700	122,150	137,230	45,610	36,699	79,150
MEAN	1,214	4,522	12,090	36,890	30,790	9,609	30,560	3,975	4,574	1,471	1,177	2,638
MAX	2,040	16,600	31,000	47,900	45,300	26,800	76,200	12,900	8,460	2,100	3,240	5,210
MIN	724	749	3,010	30,200	15,800	4,240	10,100	2,260	1,520	1,180	720	644
CFSM	.24	.90	2.40	7.32	6.11	1.88	6.06	.85	.91	.29	.23	.52
IN.	.28	1.00	2.95	8.44	6.36	2.17	6.77	.90	1.01	.36	.27	.58

CAL YR 1973 TOTAL 3,772,600 MEAN 10,300 MAX 47,400 MIN 724 CFSM 2.05 IN 27.86
WTR YR 1974 TOTAL 4,018,500 MEAN 11,000 MAX 76,200 MIN 644 CFSM 2.18 IN 31.13

02488700 Whitesand Creek near Oak Vale, Miss.

LOCATION.--Lat 31°28', long 89°58', in SW¼ sec.24, T.6 N., R.20 W., St. Stephens meridian, Lawrence County, near right bank on downstream side of bridge on State Highway 43, 1.2 miles (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 miles (3.7 km) north of Oak Vale, and 3.7 miles (6.0 km) upstream from mouth.

DRAINAGE AREA.--131 mi^2 (339 km^2).

PERIOD OF RECORD.--September 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft (55.535 m) above mean sea level (from information by Mississippi State Highway Department).

AVERAGE DISCHARGE.--9 years, 177 ft^3/s (5.013 m^3/s), 18.35 in/yr (466 mm/yr).

EXTREMES.--Current year: Maximum discharge, 25,400 ft^3/s (719 m^3/s) Apr. 13 (gage height, 18.76 ft or 5.718 m); minimum, 79 ft^3/s (2.24 m^3/s) Aug. 24, 25, 26; minimum gage height, 3.71 ft (1.131 m) Oct. 23, Dec. 18, 19.
Period of record: Maximum discharge, 25,400 ft^3/s (719 m^3/s) Apr. 13, 1974 (gage height, 18.76 ft or 5.718 m); minimum, 59 ft^3/s (1.67 m^3/s) Sept. 12-16, 1972.
Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft (5.215 m) from floodmark (discharge, 15,900 ft^3/s or 450 m^3/s). Maximum stage known since at least 1879, 20¼ ft (6¼ m) in April 1900, and flood in January 1925 reached a stage of 17.3 ft or 5.27 m (from information by local residents).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	119	147	745	273	167	177	164	307	120	96	251
2	117	116	139	634	302	167	370	151	294	120	95	156
3	110	114	137	385	320	167	522	161	174	117	95	503
4	109	114	173	598	259	165	283	157	157	129	92	415
5	105	211	199	478	227	163	203	311	307	138	87	156
6	101	228	161	460	239	161	175	311	423	187	87	133
7	100	136	141	310	514	159	165	159	249	159	124	131
8	99	118	133	410	397	157	151	154	179	113	117	251
9	99	112	129	290	271	155	155	149	159	104	100	538
10	105	109	127	225	232	155	149	147	353	106	94	311
11	116	111	127	346	218	159	147	211	399	98	89	191
12	106	108	127	578	206	385	1,300	361	205	94	85	147
13	102	106	129	415	201	412	16,400	234	176	92	85	133
14	100	106	127	261	197	235	8,340	156	159	94	85	126
15	100	106	127	230	227	186	2,070	152	149	94	85	122
16	102	106	125	211	436	171	1,030	142	142	96	83	120
17	116	106	123	197	346	163	495	140	136	98	87	115
18	112	104	123	186	244	159	365	138	133	94	94	111
19	105	106	153	312	235	157	311	133	131	92	157	109
20	101	108	370	1,420	242	157	271	133	131	94	147	154
21	100	162	304	1,000	211	177	243	133	129	96	95	152
22	98	196	183	691	220	183	228	277	125	96	85	150
23	103	144	151	358	218	167	262	346	133	92	83	89
24	111	121	145	965	194	171	246	211	148	86	81	86
25	111	114	1,100	2,100	181	167	211	159	136	100	81	150
26	111	112	1,070	1,270	173	160	187	159	126	100	83	133
27	111	142	1,040	713	171	550	187	176	122	159	89	145
28	110	309	391	622	169	610	181	154	120	346	96	126
29	110	256	237	795	------	815	176	148	120	145	92	156
30	109	171	201	546	------	227	169	136	120	111	89	141
31	114	------	530	322	------	190	------	133	------	96	335	------
TOTAL	3,206	4,171	8,169	18,833	7,123	8,753	26,177	5,710	5,535	3,606	3,196	5,377
MEAN	103	139	264	608	254	283	873	184	185	116	103	179
MAX	117	309	1,070	2,100	514	610	16,400	351	423	346	335	538
MIN	98	106	123	186	169	155	147	133	120	92	81	86
CFSM	.80	1.06	2.02	4.64	1.94	2.16	6.67	1.40	1.44	.91	.79	1.37
IN.	.90	1.18	2.30	5.35	2.02	2.49	8.89	1.62	1.57	1.02	.91	1.53

CAL YR 1973 TOTAL 99,364 MEAN 272 MAX 6,280 MIN 97 CFSM 2.08 IN 28.21
WTR YR 1974 TOTAL 128,164 MEAN 350 MAX 16,400 MIN 81 CFSM 2.67 IN 36.71

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. HT.	DISCHARGE	DATE	TIME	G. HT.	DISCHARGE
04-13	0715	18.76	25,400				

02489500 Pearl River near Bogalusa, La.

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, near right bank on downstream side of bridge on State Highway 10, 2.0 miles (3.2 km) east of Bogalusa, and 2.0 miles (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 mi^2 (17,170 km^2), approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) above mean sea level (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 9,067 ft^3/s (256.8 m^3/s), 18.57 in/yr (471.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 99,000 ft^3/s (2,804 m^3/s) Apr. 17, gage height, 22.13 ft (6.745 m); minimum, 2,130 ft^3/s (60.3 m^3/s) Oct. 31, gage height, 7.08 ft (2.158 m).
Period of record: Maximum discharge, 99,000 ft^3/s (2,804 m^3/s) Apr. 17, 1974 (gage height, 22.13 ft or 6.745 m); minimum, 1,020 ft^3/s (28.9 m^3/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.
Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,220	2,250	16,100	43,300	58,000	42,100	17,500	40,800	5,570	4,640	3,510	3,190
2	3,420	2,300	16,900	42,700	60,500	41,900	16,900	37,300	5,070	4,450	3,780	3,800
3	3,520	2,260	16,400	43,100	62,300	41,200	17,600	29,000	9,230	4,190	3,710	6,000
4	3,640	2,250	15,500	44,000	60,500	39,800	19,200	18,500	9,790	4,060	3,130	8,290
5	3,270	3,370	15,100	44,400	57,700	38,000	21,300	14,400	9,580	4,080	3,000	7,850
6	2,990	5,480	15,300	44,600	55,400	35,000	22,900	12,200	9,180	4,380	3,020	6,130
7	2,890	5,370	15,300	45,200	55,400	30,100	22,200	10,400	9,560	4,920	2,980	5,850
8	2,880	5,920	15,200	45,700	56,100	21,300	20,400	9,410	9,060	4,650	3,620	8,140
9	2,940	5,200	14,900	45,900	54,700	15,000	18,700	9,400	8,220	3,800	3,770	11,000
10	3,000	4,620	13,800	46,500	52,200	11,000	17,500	7,930	9,590	3,540	3,090	11,000
11	2,860	4,600	12,600	47,000	50,300	9,260	16,600	8,380	10,180	3,340	2,770	9,500
12	2,700	5,310	11,800	47,600	48,500	8,930	15,900	11,700	10,900	3,300	2,680	8,450
13	2,570	5,150	11,100	48,100	47,000	9,340	19,500	12,200	11,200	3,370	2,530	7,220
14	2,430	4,830	10,000	48,300	45,000	11,100	33,700	10,300	11,000	3,330	2,620	6,040
15	2,330	4,590	9,590	47,000	42,900	13,000	44,400	9,590	10,900	3,190	2,590	5,440
16	2,310	4,330	7,970	45,900	40,200	13,400	46,600	8,490	10,300	3,190	2,620	4,950
17	2,460	3,880	6,490	45,200	35,400	11,100	94,000	7,120	9,740	3,100	2,730	4,470
18	2,550	3,360	5,540	44,600	31,300	9,830	93,000	6,350	9,060	2,930	3,200	3,970
19	2,540	2,980	5,180	44,600	31,200	8,450	88,700	6,150	8,070	2,870	4,800	3,590
20	2,670	2,730	5,020	46,300	33,000	9,010	89,500	6,150	7,360	2,810	4,370	3,370
21	2,830	2,720	5,360	47,900	35,400	8,060	81,900	5,740	6,290	2,850	4,630	3,170
22	2,760	3,340	10,500	50,300	37,300	8,320	57,000	5,830	5,320	3,000	4,270	3,040
23	2,710	5,370	12,000	52,400	38,200	8,320	53,300	8,980	4,510	2,990	3,460	2,950
24	2,660	9,060	12,000	54,500	38,200	9,130	51,000	11,500	4,450	3,810	2,990	2,790
25	2,530	9,170	14,000	56,300	39,500	8,510	49,500	8,310	4,350	3,230	2,800	2,670
26	2,590	8,830	38,400	58,500	40,400	9,620	48,700	7,370	4,050	3,150	2,720	2,650
27	2,510	7,750	52,800	59,800	41,200	16,900	48,100	6,530	3,790	3,130	2,770	2,670
28	2,340	8,280	49,400	57,300	41,500	38,900	47,200	5,830	3,530	3,250	2,720	2,850
29	2,220	10,100	48,100	58,700	------	24,300	45,900	5,390	3,820	3,450	2,800	3,640
30	2,150	13,500	45,000	58,700	------	20,100	46,300	5,230	4,450	3,840	2,940	4,030
31	2,150	------	43,500	57,500	------	18,800	------	5,190	------	3,450	2,840	------
TOTAL	84,770	157,880	574,250	1,515,900	1,298,70	682,500	1,238,60	221,140	220,540	105,170	88,260	150,610
MEAN	2,735	5,263	18,520	48,900	46,130	19,129	41,220	11,340	7,485	3,522	3,170	5,297
MAX	3,640	13,500	52,800	58,700	62,300	42,100	94,000	40,800	11,200	4,920	4,630	11,000
MIN	2,150	2,250	5,180	42,700	31,200	8,010	16,500	5,190	3,530	2,810	2,590	2,650
CFSM	.41	.80	2.75	7.37	6.97	2.87	6.21	1.71	.53	.51	.47	.80
IN.	.47	.88	3.19	8.58	7.35	3.87	7.01	1.25	.58	.59	.49	.85

CAL YR 1973 TOTAL 5,729,170 MEAN 15,600 MAX 67,300 MIN 2,150 CFSM 2.35 IN 31.80
WTR YR 1974 TOTAL 5,400,820 MEAN 14,800 MAX 94,000 MIN 2,150 CFSM 2.24 IN 29.92

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°11', long 90°17', in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mile (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mile (0.3 km) upstream from Bars Branch, 2.2 miles (3.5 km) downstream from Topisaw Creek, and 9 miles (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi^2 (1,300 km^2).

PERIOD OF RECORD.--August 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) above mean sea level.

AVERAGE DISCHARGE.--30 years, 784 ft^3/s (22.20 m^3/s), 21.21 in/yr (539 mm/yr).

EXTREMES.--Current year: Maximum discharge, 33,600 ft^3/s (952 m^3/s) Apr. 14; maximum gage height, 30.85 ft (9.403 m) Apr. 14; minimum discharge, 284 ft^3/s (8.04 m^3/s), Aug. 26; minimum gage height, 6.47 ft (1.972 m), Oct. 30.

Period of record: Maximum discharge, 45,700 ft^3/s (1,290 m^3/s) Jan. 7, 1950 (gage height, 33.50 ft or 10.211 m); minimum, 175 ft^3/s (4.96 m^3/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mile (0.3 km) downstream.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1945 (P), 1946(M), 1947-51, 1953.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	764	351	2,250	2,440	1,540	516	709	455	385	314	595	550
2	596	353	954	1,250	1,720	500	1,130	451	495	311	419	657
3	511	365	545	1,170	2,430	540	2,190	453	715	308	345	602
4	438	340	625	2,250	1,550	540	2,440	451	710	308	342	537
5	402	554	745	1,800	1,110	558	2,100	445	472	316	359	407
6	385	700	757	1,370	1,040	558	544	439	427	347	347	353
7	372	711	593	1,140	4,250	542	572	428	405	347	410	349
8	364	584	523	1,440	3,750	532	510	415	389	354	388	453
9	354	741	487	1,320	2,440	526	565	408	374	359	345	506
10	393	1,040	456	974	1,440	523	534	403	367	350	333	473
11	402	944	449	1,250	1,040	545	514	451	395	328	315	339
12	390	592	441	2,850	487	747	770	497	560	315	305	359
13	386	499	438	2,740	424	514	22,600	438	429	309	333	339
14	359	445	430	2,440	774	726	31,100	411	382	315	355	915
15	356	414	430	1,670	442	512	19,400	396	365	314	383	992
16	361	349	414	426	1,440	541	7,100	390	357	394	331	525
17	365	344	413	446	1,710	529	3,700	382	349	373	327	405
18	356	374	407	758	1,340	514	1,540	378	353	334	407	352
19	354	377	424	1,540	1,040	508	1,040	372	432	315	429	337
20	353	344	450	2,430	1,040	502	621	357	353	310	362	323
21	344	704	1,240	2,350	1,540	554	704	382	343	302	318	314
22	334	911	1,070	2,270	1,170	547	540	1,440	334	299	303	305
23	335	654	874	2,610	1,120	571	544	1,230	361	300	294	298
24	333	512	447	2,270	1,110	545	544	514	395	319	289	291
25	330	542	2,080	2,710	924	547	507	445	351	373	287	292
26	333	454	3,440	2,840	734	724	553	450	337	356	289	314
27	330	454	2,160	2,590	560	1,440	519	431	327	360	308	343
28	333	1,440	2,100	2,440	534	1,130	485	430	324	321	333	344
29	329	2,330	2,610	2,330	------	1,440	474	417	321	367	488	324
30	325	2,180	1,440	2,440	------	1,270	487	400	314	394	459	317
31	342	------	2,520	2,270	------	847	------	389	------	418	571	------
TOTAL	12,247	23,114	45,219	64,596	47,548	24,410	104,731	15,089	17,129	10,455	11,491	17,971
MEAN	395	771	1,459	2,084	1,698	787	3,491	487	406	340	371	599
MAX	764	2,330	4,240	4,250	4,250	1,440	31,100	1,440	715	418	595	992
MIN	325	340	407	398	424	508	467	357	314	299	287	291
CFSM	.79	1.54	2.91	4.14	3.38	1.57	6.95	.97	.81	.68	.74	.96
IN.	.91	1.71	3.35	4.77	3.51	1.81	7.81	1.12	.95	.80	.85	1.33

[illegible]

03589500 Tennessee River at Florence, Ala.

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, on right bank at lower end of Patton Island, 137 ft (41.8 m) upstream from Southern Railway bridge, 700 ft (213 m) upstream from O'Neal Bridge on U.S. Highway 72, 1 mile (1.6 km) south of Florence, 1.7 miles (2.7 km) upstream from Cypress Creek, 2.7 miles (4.3 km) downstream from Wilson Dam, and at mile 256.7 (413.0 km).

DRAINAGE AREA.--30,810 mi^2, approximately, (79,798 km^2).

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft (122.261 m) above mean sea level. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft (41.8 m) downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft (427 m) upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 miles (24.5 km) downstream.

AVERAGE DISCHARGE.--80 years, 51,380 ft^3/s (1,455 m^3/s), 22.65 in/yr (575 mm/yr).

EXTREMES.--Current year: Maximum discharge, 327,000 ft^3/s (9.260 m^3/s) Jan. 11 (gage height, 25.03 ft or 7,629 m); minimum daily, 16,900 ft^3/s (479 m^3/s) Sept. 22.

Period of record: Maximum discharge 530,000 ft^3/s (15,000 m^3/s) Mar. 17, 1973 (gage height, 30.03 ft or 9.153 m); minimum daily, 105 ft^3/s (2.97 m^3/s) Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.

Flood in 1867 reached a stage of 31.1 ft (9.48 m), from National Weather Service records (discharge, 421,000 ft^3/s or 11,900 m^3/s). Observed discharge of Mar. 19, 1897, 444,000 ft^3/s (12,600 m^3/s), gage height 32.50 ft (9.91 m).

REMARKS.--Records good except those below 25,000 ft^3/s (708 m^3/s), which are fair. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station.

REVISIONS (WATER YEARS).--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33,600	39,700	152,000	171,000	170,000	96,900	67,700	39,000	79,300	37,000	42,000	23,200
2	40,700	34,500	146,000	165,000	164,000	75,200	70,500	37,900	89,100	36,200	35,600	30,700
3	36,300	33,400	130,000	175,000	173,000	74,100	88,800	32,000	71,800	40,800	41,800	38,100
4	42,200	25,100	123,000	186,000	167,000	76,300	106,000	38,600	50,500	23,400	31,500	44,900
5	42,800	33,600	106,000	184,000	160,000	74,200	111,000	29,300	48,600	41,900	44,000	81,500
6	39,100	37,500	104,000	181,000	168,000	60,700	119,000	42,500	61,800	38,700	39,400	102,000
7	25,400	34,300	95,700	182,000	166,000	65,800	118,000	43,300	55,800	29,200	35,500	82,300
8	28,500	31,400	73,600	181,000	165,000	57,700	115,000	38,900	58,900	47,000	40,900	56,400
9	30,600	32,600	76,100	194,000	159,000	52,900	93,300	39,000	48,000	43,300	41,000	52,100
10	30,500	26,500	78,600	228,000	157,000	59,800	95,900	48,100	51,500	43,900	47,300	34,900
11	35,100	31,200	58,800	308,000	159,000	67,000	95,200	54,800	46,500	51,000	31,900	30,400
12	33,900	36,300	69,300	292,000	139,000	58,100	102,000	50,200	40,500	43,400	44,200	32,900
13	27,500	28,900	69,300	283,000	137,000	50,300	101,000	58,600	42,000	37,200	48,400	33,400
14	21,000	30,200	59,700	277,000	134,000	39,300	106,000	60,900	61,700	43,000	45,200	41,500
15	29,400	31,100	70,300	203,000	149,000	49,900	73,900	59,700	39,100	41,800	44,000	27,700
16	30,400	31,200	66,300	256,000	159,000	54,800	53,600	72,000	40,300	47,300	50,000	36,900
17	28,300	32,300	58,900	238,000	178,000	48,800	47,900	57,000	50,900	49,700	46,700	30,100
18	30,200	29,300	69,500	205,000	182,000	50,900	41,700	58,800	47,300	47,300	33,100	35,700
19	28,000	31,100	60,900	149,000	181,000	55,200	45,500	45,300	48,800	47,300	48,300	33,700
20	23,700	30,100	64,700	173,000	182,000	74,600	43,900	52,300	49,300	21,500	50,500	32,100
21	22,700	41,100	72,200	191,000	171,000	103,000	35,900	49,500	40,400	20,900	45,400	28,500
22	24,200	41,600	71,600	194,000	154,000	124,000	56,700	51,300	39,700	42,300	41,800	16,900
23	26,700	36,900	70,000	153,000	148,000	135,000	46,400	50,400	23,100	49,600	42,900	29,700
24	24,500	57,700	65,300	156,000	140,000	133,000	42,000	44,600	39,600	42,100	51,700	35,100
25	29,500	58,400	67,150	171,000	143,000	125,000	36,900	74,600	47,600	41,300	37,100	41,500
26	31,800	50,700	137,000	166,000	144,000	111,000	34,500	72,900	42,900	31,200	45,900	39,200
27	23,800	48,700	207,000	182,000	132,000	107,000	36,600	76,500	42,600	41,000	35,400	39,500
28	18,200	133,000	227,000	178,000	115,000	78,700	41,800	74,500	45,300	39,900	42,800	48,500
29	37,500	167,000	233,000	187,000	------	80,800	35,800	63,200	43,900	45,000	35,900	37,500
30	46,500	158,000	211,000	181,000	------	82,900	36,200	61,500	17,700	42,700	41,800	37,900
31	42,600	------	197,000	175,000	------	58,900	------	58,200	------	39,400	23,700	------
TOTAL	947,200	1,472,100	3,287,500	6,213,000	4,313,000	2,339,600	2,371,100	1,665,600	1,668,700	1,257,900	1,293,900	1,261,300
MEAN	31,200	47,430	106,000	200,300	154,000	75,480	79,040	53,730	55,620	40,580	41,700	42,100
MAX	46,500	158,000	233,000	308,000	184,000	135,000	119,000	78,500	89,100	51,000	50,500	102,000
MIN	18,200	25,100	58,900	153,000	115,000	39,300	41,900	29,300	17,700	20,900	23,700	16,900

CAL YR 1973 TOTAL 27,215,900 MEAN 74,500 MAX 330,000 MIN 15,200
WTR YR 1974 TOTAL 27,887,200 MEAN 76,400 MAX 308,000 MIN 16,900

03592500 Bear Creek at Bishop, Ala.

LOCATION.--Lat 34°39'21", long 88°07'21", in SE¼ sec.5, T.5 S., R.15 W., Colbert County, on left bank 250 ft (76 m) upstream from highway bridge, 0.5 mile (0.8 km) downstream from Cedar Creek, 0.8 mile (1.3 km) southwest of Bishop, and at mile 27.3 (43.9 km).

DRAINAGE AREA.--667 mi^2 (1,728 km^2).

PERIOD OF RECORD.--August 1926 to June 1928, February 1929 to March 1932, June 1933 to current year.

GAGE.--Water-stage recorder. Datum of gage is 419.91 ft (127.989 m) above mean sea level. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929, to Mar. 31, 1932, at site 35 ft (11 m) downstream, and June 7, 1933, to May 28, 1934, at bridge 20 ft (6 m) downstream at datum 5.00 ft (1.524 m) lower.

AVERAGE DISCHARGE.--44 years (1926-27, 1929-31, 1933-74), 1,111 ft^3/s (31.46 m^3/s) 22.62 in/yr (575 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,100 ft^3/s (513 m^3/s) Jan. 11 (gage height, 17.95 ft or 5.471 m); minimum daily, 96 ft^3/s (2.72 m^3/s) Oct. 11, 12.
Period of record: Maximum discharge, 60,800 ft^3/s (1,720 m^3/s) Mar. 17, 1973, gage height, 24.12 ft (7.352 m) in gage well, 25.2 ft (7.68 m) from floodmarks 20 ft (6 m) upstream from gage; minimum discharge, 9.3 ft^3/s (0.26 m^3/s) Sept. 15-17, 1954; minimum gage height, -0.15 ft (-0.046 m) Sept. 1, 1943.

REMARKS.--Records good. Flow partially regulated by Bear Creek Reservoir 47.3 miles (76.1 km) upstream beginning Mar. 14, 1969.

REVISIONS (WATER YEARS).--WSP 698: 1929, WSP 823: Drainage area. WSP 853: 1927, 1928 (M), 1929, 1930 (M), 1932 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	255	175	2,590	3,260	3,320	2,350	1,680	750	1,820	327	275	273
2	252	268	2,400	2,780	4,930	2,240	5,000	923	3,570	314	250	239
3	213	357	2,230	3,490	8,390	2,140	4,030	1,000	2,500	302	246	404
4	155	365	2,350	4,900	4,830	2,010	4,960	3,050	2,050	298	252	345
5	150	362	2,100	3,620	3,840	1,630	5,980	1,950	1,540	1,090	201	434
6	141	264	2,050	3,100	3,550	1,250	3,310	1,320	1,400	592	171	753
7	126	239	1,770	3,460	3,530	1,130	2,860	1,270	1,720	424	160	571
8	131	244	1,550	2,960	3,290	1,080	2,760	1,080	10,900	462	160	511
9	130	298	1,440	4,930	3,010	973	2,620	1,140	4,600	527	173	1,630
10	116	300	1,220	8,470	2,830	901	2,360	1,290	2,270	499	176	1,530
11	96	291	828	15,800	2,690	887	2,200	1,170	2,430	554	201	1,110
12	96	286	616	14,000	2,560	945	2,490	3,570	2,280	996	273	792
13	112	291	627	5,520	2,460	938	5,780	2,220	1,460	484	307	685
14	167	320	602	4,470	3,180	841	3,980	1,710	1,200	425	261	612
15	171	284	557	5,910	5,190	835	3,110	2,710	1,060	388	211	719
16	148	289	547	4,620	5,230	852	2,710	6,270	952	365	275	844
17	166	237	496	3,800	4,950	852	2,460	3,630	872	345	357	1,420
18	148	218	481	3,390	3,660	818	2,260	2,770	790	277	340	769
19	140	211	460	3,120	3,540	824	1,670	2,060	705	252	203	481
20	136	218	612	3,400	3,240	1,320	1,400	1,580	650	244	176	422
21	133	996	844	4,360	3,060	6,780	1,300	1,200	681	261	291	333
22	130	1,160	824	3,200	6,810	6,420	1,310	1,040	561	259	368	305
23	125	857	765	5,870	4,270	3,350	1,670	1,440	538	307	252	230
24	113	869	765	8,650	3,340	2,750	1,480	1,400	525	478	184	203
25	112	865	936	11,100	2,950	2,440	1,420	1,120	502	411	180	211
26	162	861	6,100	6,120	2,780	2,230	1,110	1,160	476	571	176	244
27	173	3,620	7,630	6,360	2,550	1,590	967	1,060	396	947	186	252
28	248	7,970	3,920	6,370	2,420	1,420	917	2,080	358	609	220	300
29	266	5,830	3,180	8,580	------	2,090	871	1,530	332	568	184	299
30	237	2,920	2,980	6,500	------	2,080	809	1,330	331	499	207	268
31	188	------	3,020	3,750	------	1,960	------	1,180	------	357	248	------
TOTAL	4,994	30,665	58,192	171,920	105,520	57,066	75,676	58,663	69,391	14,652	7,184	17,179
MEAN	161	1,019	1,877	5,543	3,769	1,840	2,519	1,892	1,846	446	231	573
MAX	266	7,970	7,630	15,800	8,390	6,780	5,980	6,270	10,900	1,090	368	1,630
MIN	96	175	460	2,780	2,690	818	809	750	331	244	160	203
CFSM	.24	1.52	2.81	8.31	5.65	2.76	3.77	2.83	2.67	.70	.35	.86
IN.	.28	1.70	3.13	9.59	5.89	3.18	4.21	3.15	3.75	.81	.40	.96

CAL YR 1973 TOTAL 670,136 MEAN 1,836 MAX 50,700 MIN 66 CFSM 2.76 IN 37.42
WTR YR 1974 TOTAL 444,737 MEAN 1,217 MAX 15,800 MIN 96 CFSM 1.83 IN 24.83

PEAK DISCHARGE (BASE, 7,500 CFS)

DATE	TIME	GH, FT	DISCHARGE	DATE	TIME	GH, FT	DISCHARGE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

03592718 Little Yellow Creek east near Burnsville, Miss.

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, at bridge 0.2 mile (0.3 km) northeast of Walkers Siding and 2.0 miles (3.2 km) east of Burnsville, Miss.

DRAINAGE AREA.--24.7 mi^2 (64.0 km^2), Tennessee Valley Authority.

PERIOD OF RECORD.--May 1973 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 440 ft or 134.1 m (from topographic map).

EXTREMES.--May to September 1973: Maximum discharge during period, 389 ft^3/s (11.0 m^3/s) May 27 (gage height, 15.15 ft or 4.618 m); minimum, 5.9 ft^3/s (0.17 m^3/s) Aug. 26 (gage height, 6.14 ft or 1.871 m).
Water year 1974: Maximum discharge, 3,030 ft^3/s (85.8 m^3/s) Jan. 10, 11 (gage height, 19.06 ft or 5.809 m); minimum, 5.6 ft^3/s (0.16 m^3/s) Aug. 25, 26 (gage height, 6.20 ft or 1.890 m).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2									25	50	10	8.0
3									23	40	9.5	7.0
4									20	18	9.0	7.0
5									16	12	9.0	6.5
6									35	10	9.0	6.5
7									56	8.0	9.0	6.5
8									19	8.0	8.4	7.0
9									18	8.0	8.0	7.0
10									16	8.0	8.1	6.5
11									15	9.0	8.0	6.0
12									15	10	7.7	6.0
13									15	8.0	7.9	6.0
14									14	7.0	13	8.0
15									15	8.0	14	11
16									18	10	9.6	8.5
17									18	80	8.4	7.8
18								22	14	70	8.0	7.0
19								21	12	17	8.1	7.0
20								31	19	15	7.7	7.0
21								91	138	20	7.4	7.0
22								33	50	10	6.9	7.0
23								26	24	9.0	6.4	8.0
24								39	15	9.0	6.5	12
25								42	9.0	9.0	6.5	9.0
26								27	8.0	9.0	6.4	8.0
27								24	8.0	10	6.3	7.0
28								200	8.0	60	8.0	6.0
29								117	25	15	7.0	25
30				------				51	10	10	7.0	10
31		------		------			------	37	9.0	10	17	9.0
				------				29	------	10	15	------
TOTAL									687.0	577.0	272.0	246.3
MEAN									22.9	18.6	8.80	8.21
MAX									138	80	17	25
MIN									8.0	7.0	6.3	6.0

PEAK DISCHARGE (BASE, 700 CFS).--No peak above base.

03592718 Little Yellow Creek east near Burnsville, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	21	38	74	58	44	32	13	857	8.9	7.6	9.5
2	13	13	32	56	119	42	43	21	248	8.7	7.7	9.3
3	9.0	12	29	552	91	41	35	20	55	8.7	9.9	30
4	8.5	16	60	297	64	39	36	40	36	8.6	37	12
5	9.0	28	39	96	56	40	29	36	36	34	10	9.5
6	8.5	16	29	85	71	39	26	23	30	18	9.9	10
7	10	14	25	85	61	36	26	17	60	15	13	9.0
8	70	23	23	65	51	34	41	16	242	13	13	21
9	25	20	23	390	46	32	30	17	60	13	10	21
10	15	15	22	1,190	44	32	26	16	59	13	9.8	14
11	10	14	20	1,970	41	33	24	17	34	13	8.6	10
12	9.0	14	21	265	39	33	91	34	28	12	12	13
13	9.0	14	72	93	39	28	119	16	24	9.8	23	37
14	23	14	38	135	206	27	54	13	21	8.7	13	28
15	15	15	31	118	237	27	39	106	27	8.3	9.8	18
16	11	16	26	85	226	34	33	64	36	8.2	8.7	12
17	10	14	23	71	106	29	29	30	21	7.9	8.7	10
18	9.0	14	23	65	77	29	26	21	20	7.5	8.0	9.3
19	9.0	15	23	57	86	34	25	17	19	7.2	7.6	8.6
20	9.0	15	104	156	60	81	22	14	16	14	7.0	8.3
21	8.5	118	48	119	90	341	21	13	15	14	6.6	9.8
22	9.5	34	36	71	142	93	32	92	13	8.7	8.6	10
23	8.5	38	36	81	73	62	27	110	13	16	6.9	8.2
24	8.5	41	37	380	60	49	21	37	13	14	6.3	7.7
25	9.4	42	128	288	51	45	19	24	12	10	6.2	15
26	9.6	77	253	141	48	41	18	26	12	13	6.6	16
27	8.7	1,030	118	104	47	41	16	26	11	12	6.6	32
28	28	891	65	248	45	40	15	19	10	9.8	6.2	17
29	16	98	54	131	------	50	14	16	9.9	8.9	20	12
30	12	48	48	82	------	38	13	15	9.3	8.2	16	9.8
31	20	------	152	66	------	32	------	21	------	7.6	10	------
TOTAL	428.7	2,740	1,676	7,616	2,334	1,566	982	950	2,047.2	359.7	334.3	437.0
MEAN	13.8	91.3	54.1	246	83.4	50.5	32.7	30.6	68.2	11.6	10.8	14.6
MAX	70	1,030	253	1,970	237	341	119	110	857	34	37	37
MIN	8.4	12	20	56	39	27	13	13	9.3	7.2	6.2	7.7
CFSM	.56	3.70	2.19	9.96	3.38	2.04	1.32	1.24	2.76	.47	.44	.59
IN.	.64	4.13	2.52	11.47	3.52	2.36	1.48	1.43	3.08	.54	.50	.66

STR YR 1974 TOTAL 21,468.9 MEAN 58.8 MAX 1,970 MIN 8.2 CFSM 2.38 IN 32.33

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-27	2145	18.60	2,160	01-24	1845	17.03	715
01-03	1745	17.57	992	06-01	1315	18.23	1,620
01-10	2400	19.06	3,030				

03592800 Yellow Creek near Doskie, Miss.

LOCATION.--Lat 34°54'02", long 88°17'35", in SW¼ sec.18, T.2 S., R.10 E., Chickasaw meridian, Tishomingo County, near right bank on downstream side of Moser Bridge on county road, 0.4 mile (0.6 km) south of Doskie, and 5.8 miles (9.3 km) northeast of Burnsville.

DRAINAGE AREA.--143 mi^2 (370 km^2) authority TVA.

PERIOD OF RECORD.--May 1973 to current year. Nov. 13, 1937 through 1958, daily discharge by Tennessee Valley Authority.

GAGE.--Water-stage recorder. Datum of gage is 421.12 ft (128.357 m) above mean sea level.

EXTREMES.--May to September 1973: Maximum discharge during period, 1,240 ft^3/s (35.1 m^3/s) May 28 (gage height, 9.20 ft or 2.80 m); minimum, 25.4 ft^3/s (0.719 m^3/s) Aug. 28, 29 (gage height, 2.58 ft or 0.786 m).

Water year 1974: Maximum discharge, 12,100 ft^3/s (343 m^3/s) Jan. 11 (gage height, 12.59 ft or 3.837 m); minimum, 28.8 ft^3/s (0.816 m^3/s) July 20, Aug. 1 (gage height, 2.32 ft or 0.707 m).

REMARKS.--Records good. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2									135	214	53	37
3									124	225	48	34
4									109	94	46	33
5									92	56	46	31
									204	51	45	31
6												
7									321	41	44	31
8									105	39	43	35
9									82	43	42	34
10									78	40	44	31
									68	46	44	30
11												
12									56	49	42	30
13									57	36	51	30
14									57	33	61	32
15									53	33	131	48
								143	98	48	49	36
16												
17								129	94	265	37	34
18								125	56	405	36	31
19								111	49	87	36	31
20								145	46	91	34	31
								635	202	93	33	31
21												
22								249	114	53	31	31
23								154	55	46	30	30
24								290	46	42	29	57
25								282	41	41	28	46
								161	38	41	27	36
26												
27								165	37	49	27	32
28								728	38	314	26	37
29					------			1,060	118	61	26	121
30					------			502	48	52	27	45
31		------			------		------	249	47	51	72	42
								164	------	51	79	------
TOTAL									2,668	2,790	1,367	1,138
MEAN									88.9	90.0	44.1	37.9
MAX									321	405	131	121
MIN									37	33	26	30

PEAK DISCHARGE (BASE, 2,000 CFS).--No peak above base.

03592800 Yellow Creek near Doskie, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	96	356	482	343	189	145	85	2,530	42	30	55
2	56	57	236	297	505	179	191	152	2,580	40	31	57
3	42	52	194	1,250	576	170	155	154	1,060	38	37	193
4	40	58	432	2,550	350	159	151	245	431	48	194	81
5	42	115	278	1,070	278	154	140	290	263	156	49	52
6	39	65	179	702	333	162	125	173	209	102	39	52
7	42	57	151	570	305	149	121	134	255	56	63	55
8	308	92	143	385	233	140	219	114	1,240	75	90	119
9	101	91	138	1,160	203	133	158	115	755	58	55	138
10	52	63	130	3,280	187	131	134	132	558	55	55	91
11	44	58	121	10,200	171	140	124	119	289	103	47	59
12	41	57	123	3,780	164	148	409	215	190	98	58	53
13	41	58	262	1,080	160	123	329	154	159	50	131	119
14	115	58	164	896	728	116	355	123	127	40	76	105
15	65	61	140	948	1,450	116	215	540	187	36	54	97
16	50	77	126	694	1,240	143	180	806	225	42	63	59
17	45	61	116	492	932	125	150	279	123	36	51	51
18	42	60	114	394	586	120	145	174	110	33	44	57
19	42	66	113	328	590	140	135	135	110	31	41	52
20	42	64	582	692	367	440	124	111	91	41	39	51
21	41	725	253	975	423	1,250	115	105	77	52	37	57
22	40	269	170	580	961	1,010	189	391	70	35	39	53
23	40	184	165	476	556	514	177	896	90	59	39	52
24	39	233	216	999	352	278	133	325	75	55	35	50
25	39	230	963	1,990	256	223	115	155	67	47	34	78
26	40	291	1,220	1,120	223	198	110	158	61	72	34	95
27	39	2,980	1,250	970	215	192	100	154	55	73	35	252
28	90	5,340	720	1,050	197	193	95	115	54	47	35	130
29	70	2,030	445	1,100	------	238	92	98	50	41	285	90
30	51	692	326	738	------	187	89	88	47	36	212	71
31	80	------	764	464	------	159	------	88	------	32	82	------
TOTAL	1,861	14,340	10,590	41,722	12,985	7,579	5,495	5,833	12,442	1,759	2,114	2,695
MEAN	60.0	478	342	1,346	464	248	183	220	415	56.7	68.2	89.8
MAX	308	5,340	1,250	10,200	1,450	1,250	429	896	2,580	156	285	252
MIN	39	52	113	297	100	116	88	85	47	31	30	50
CFSM	.42	3.34	2.39	9.41	3.24	1.73	1.28	1.54	2.90	.40	.49	.51
IN.	.48	3.73	2.75	10.85	3.38	2.00	1.43	1.78	3.24	.46	.55	.58

WTR YR 1974 TOTAL 120,415 MEAN 330 MAX 10,200 MIN 30 CFSM 2.31 IN 31.32

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-28	0615	11.22	6,520	01-25	0930	9.75	2,160
01-04	0600	10.01	2,780	06-02	Unknown	†10.75	4,840
01-11	0915	12.59	12,100				

†From floodmark.

07032000 Mississippi River at Memphis, Tenn.

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 miles (2.1 km) downstream from Beale Street gage, 3.5 miles (5.6 km) downstream from Wolf River, 70 miles (113 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi^2 (2,416,000 km^2), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1973. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1972 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 to water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) above mean sea level. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 miles (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

AVERAGE DISCHARGE.--40 years, 462,100 ft^3/s (13,100 m^3/s), 334,800,000 acre-ft/yr (413 km^3/yr).

EXTREMES.--Water year 1973: Maximum discharge, 1,630,000 ft^3/s (46,200 m^3/s) Apr. 1-2; maximum gage height, 40.48 ft (12.338 m) May 8; minimum discharge, 212,000 ft^3/s (6,000 m^3/s) Sept. 23, gage height, 2.03 ft (0.619 m).

Period of record: Maximum discharge, 1,980,000 ft^3/s (56,100 m^3/s) Feb. 8, 1937; maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937; minimum discharge, 79,200 ft^3/s (2,240 m^3/s) Aug. 26, 1936; minimum gage height, -5.35 ft (-1.631 m) Jan. 24, 1956.

Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

REMARKS.--Records good. Flow regulated by many locks, dams, and reservoirs upstream. Records for 1974 water year are not available for inclusion in this report. They will be published in a subsequent report.

RECORDS FOR WATER YEAR 1973 ARE PUBLISHED ON FOLLOWING PAGES

07032000 Mississippi River at Memphis, Tenn.

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 miles (2.1 km) downstream from Beale Street gage, 3.5 miles (5.6 km) downstream from Wolf River, 70 miles (113 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi^2 (2,416,000 km^2), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1973. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1972 in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft (305 m) downstream, and since December 1934 to water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) above mean sea level. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 miles (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

AVERAGE DISCHARGE.--40 years, 462,100 ft^3/s (13,100 m^3/s), 334,800,000 acre-ft/yr (413 km^3/yr).

EXTREMES.--Water year 1973: Maximum discharge, 1,630,000 ft^3/s (46,200 m^3/s) Apr. 1-2; maximum gage height, 40.48 ft (12.338 m) May 8; minimum discharge, 212,000 ft^3/s (6,000 m^3/s) Sept. 23, gage height, 2.03 ft (0.619 m).

Period of record: Maximum discharge, 1,980,000 ft^3/s (56,100 m^3/s) Feb. 8, 1937; maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937; minimum discharge, 79,200 ft^3/s (2,240 m^3/s) Aug. 26, 1936; minimum gage height, -5.35 ft (-1.631 m) Jan. 24, 1956.

Maximum stage prior to 1937, 46.55 ft (14.188 m) Apr. 9, 1913, at Beale Street gage or about 45.2 ft (13.78 m) at present site.

REMARKS.--Records good. Flow regulated by many locks, dams, and reservoirs upstream.

COOPERATION.--Records furnished by Corps of Engineers.

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	329	384	783	1,020	885	504	1,630	1,440	944	576	550	260
2	336	406	769	1,050	879	490	1,630	1,490	947	568	525	254
3	357	426	757	1,040	872	478	1,620	1,510	952	573	479	254
4	379	458	754	1,040	867	477	1,620	1,520	953	572	445	254
5	385	504	755	1,030	866	483	1,610	1,540	967	564	418	239
6	396	553	753	1,030	868	492	1,590	1,540	984	545	386	229
7	386	627	739	1,030	877	508	1,570	1,560	998	522	360	232
8	419	667	730	1,020	917	527	1,540	1,570	997	504	337	234
9	422	694	740	1,010	938	576	1,520	1,540	992	500	322	230
10	415	716	747	995	964	650	1,480	1,550	983	516	313	229
11	397	718	770	978	992	756	1,480	1,560	974	531	302	225
12	387	715	823	955	1,010	838	1,480	1,540	963	523	285	217
13	386	720	881	922	1,030	890	1,460	1,520	954	496	285	227
14	386	731	920	870	1,040	949	1,430	1,490	943	463	301	243
15	379	742	966	810	1,030	992	1,410	1,470	926	443	317	245
16	355	748	994	739	1,010	1,050	1,390	1,430	899	433	338	235
17	340	767	1,020	667	985	1,070	1,360	1,390	860	424	373	235
18	334	789	1,050	595	967	1,090	1,350	1,370	816	410	381	233
19	330	805	1,070	544	955	1,120	1,340	1,340	774	400	379	224
20	326	836	1,100	507	947	1,150	1,370	1,320	741	379	378	223
21	327	888	1,110	516	933	1,200	1,360	1,300	716	359	374	224
22	332	819	1,120	549	903	1,260	1,370	1,240	701	345	356	220
23	336	823	1,130	610	865	1,330	1,390	1,210	695	339	345	213
24	341	823	1,140	696	808	1,400	1,380	1,140	699	338	330	216
25	348	825	1,140	766	737	1,460	1,390	1,080	706	362	322	219
26	345	825	1,140	815	656	1,510	1,410	1,010	709	400	314	218
27	344	819	1,130	849	583	1,530	1,430	967	702	402	307	219
28	344	813	1,120	876	531	1,550	1,440	931	681	548	294	223
29	345	802	1,110	896	------	1,580	1,440	918	644	570	285	229
30	352	791	1,090	897	------	1,610	1,440	925	607	580	275	244
31	370	------	1,080	891	------	1,620	------	940	------	567	267	------
TOTAL	11,229	21,110	29,631	26,211	24,915	31,140	43,830	41,251	25,427	14,040	10,963	6,967
MEAN	362	704	960	846	890	1,005	1,464	1,330	848	453	353	232
MAX	422	825	1,140	1,050	1,040	1,620	1,630	1,570	998	580	538	266
MIN	326	384	730	507	531	477	1,340	918	607	338	267	213
AC-FT	22,270	41,890	58,800	51,990	49,420	61,770	87,140	82,020	50,430	29,440	21,710	13,780

CAL YR 1972 TOTAL 214,021 MEAN 587 MAX 1,150 MIN 257,0 AC-FT 424,100
WTR YR 1973 TOTAL 287,601 MEAN 788 MAX 1,630 MIN 213,0 AC-FT 570,200

07266000 Cane Creek near New Albany, Miss.

LOCATION.--Lat 34°34'20", long 88°57'20", in SE¼SW¼ sec.11, T.6 S., R.3 E., Chickasaw meridian, Union County, near right bank on downstream side of bridge on county highway, 450 ft (137 m) upstream from Ellis Creek, 5.1 miles (8.2 km) upstream from mouth, and 6.2 miles (10.0 km) northeast of New Albany.

DRAINAGE AREA.--22.2 mi^2 (57.5 km^2).

PERIOD OF RECORD.--February 1939 to July 1941, February 1950 to June 1974 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 356.74 ft (108.734 m) above mean sea level. Prior to Mar. 31, 1939, nonrecording gage; Mar. 31, 1939, to July 18, 1941, water-stage recorder and nonrecording gage; Feb. 1 to June 14, 1950, nonrecording gage; June 15, 1950, to Oct. 7, 1955, water-stage recorder; and Oct. 8 to Dec. 9, 1955, nonrecording gage, all at present site. Dec. 10, 1955, to Sept. 30, 1962, water-stage recorder at site 600 ft (183 m) downstream. Prior to Oct. 1, 1955, all gages at datum 10.00 ft (3.048 m) higher.

AVERAGE DISCHARGE.--24 years (1939-40, 1950-73), 38.4 ft^3/s (1,087 m^3/s) 23.49 in/yr (597 mm/yr).

EXTREMES.--Maximum discharge during period October 1973 to June 1974, 4,830 ft^3/s (137 m^3/s) Nov. 27 (gage height, 15.33 ft or 4.673 m); minimum daily, 4.1 ft^3/s (0.116 m^3/s) Oct. 5, 6.
Period of record: Maximum discharge, 8,680 ft^3/s (246 m^3/s) Mar. 21, 1955 (gage height, 19.08 ft or 5.816 m, present datum), from rating curve extended above 4,200 ft^3/s (119 m^3/s); no flow Sept. 5-7, 1954.

REMARKS.--Records fair.

REVISIONS.--WSP 1177: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	7.7	57	44	83	38	43	21	1,580			
2	8.4	6.4	44	40	83	36	38	34	150			
3	4.8	6.1	30	1,100	132	34	34	24	81			
4	4.4	8.4	97	171	93	33	32	169	55			
5	4.1	11	49	84	88	34	30	83	100			
6	4.1	7.7	39	78	92	33	28	49	53			
7	4.4	7.1	36	70	82	33	27	37	243			
8	466	11	32	66	56	32	26	43	272			
9	38	9.4	30	742	51	32	24	48	94			
10	19	7.1	29	2,420	45	32	23	35	141			
11	14	6.8	28	1,560	37	33	22	34	83			
12	13	6.4	28	214	33	34	122	37	46			
13	11	6.4	29	174	33	33	74	29	42			
14	16	6.1	26	225	135	32	48	26	36			
15	11	6.4	25	165	112	32	38	564	39			
16	10	6.4	25	132	148	32	36	165	34			
17	9.8	6.1	24	88	88	32	32	76	27			
18	8.2	6.4	34	74	63	32	30	56	32			
19	7.5	8.1	25	63	134	38	28	41	25			
20	7.1	8.1	45	135	96	67	26	36	27			
21	6.8	115	30	80	312	375	25	36	23			
22	6.6	22	24	59	196	48	56	210	19			
23	6.1	17	37	86	116	42	36	112	19			
24	5.8	15	174	566	58	53	27	49	18			
25	5.8	23	495	297	54	46	25	37	16			
26	5.8	268	548	208	50	40	23	41	14			
27	5.8	3,480	140	124	44	35	22	33	13			
28	13	324	80	219	40	40	23	27	13			
29	8.6	93	55	107	------	46	21	24	13			
30	8.6	35	43	85	------	42	20	22	13			
31	8.1	------	51	83	------	40	------	22	------			------
TOTAL	761.6	4,583.1	2,591	9,663	2,817	1,817	1,833	2,517	3,311			
MEAN	24.6	153	83.6	312	97.0	58.6	58.6	81.2	110			
MAX	466	3,480	548	2,420	312	375	122	564	1,580			
MIN	4.1	6.1	24	40	33	32	20	21	13			
CFSM	1.06	6.89	3.75	13.7	4.38	2.63	2.63	3.65	4.96			
IN.	1.24	6.91	4.07	15.82	4.28	2.73	2.73	3.80	5.55			

CAL YR 1973 TOTAL 32,498.8 MEAN 88.9 MAX 4,080 MIN 1.8 CFSM 3.86 IN 52.44

WTR YR 1974 TOTAL 23,433.1 MEAN 64.2 MAX 3,480 MIN 4.1 CFSM 2.89 IN 39.35

PEAK DISCHARGE (BASE, 1,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-08	0900	11.27	2,440	02-03	0800	12.18	3,080
11-27	1800	15.33	4,830	03-10	1700	15.18	4,710
12-06	1000	8.32	1,820	06-02	0800	13.19	3,080

07268000 Little Tallahatchie River at Etta, Miss.

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw meridian, Union County, on downstream side of left main pier of bridge on State Highway 30, 0.8 mile (1.3 km) northeast of Etta, 3.8 miles (6.1 km) upstream from Puskus Creek, 4 miles (6 km) downstream from Locks Creek, 13 miles (21 km) west of New Albany, and 55.0 miles (88.5 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi^2 (1,362 km^2).

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft (83.357 m) above mean sea level (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft (1.625 m) higher. Sept. 24, 1938, to Mar. 16, 1939, nonrecording gage; Mar. 17, 1939, to Aug. 25, 1952, water-stage recorder; and Aug. 26, 1952, to June 22, 1953, nonrecording gage; all at same site. Sept. 24, 1938, to Sept. 30, 1952, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--36 years, 843 ft^3/s (23.87 m^3/s), 21.76 in/yr (553 mm/yr).

EXTREMES.--Current year: Maximum discharge, 43,300 ft^3/s (1,230 m^3/s) Jan. 11 (gage height, 26.50 ft or 8.077 m); minimum, 38 ft^3/s (1.08 m^3/s) Oct. 7 (gage height, 7.11 ft or 2.167 m).
Period of record: Maximum discharge, 79,000 ft^3/s (2,240 m^3/s) Mar. 22, 1955 (gage height, 29.32 ft or 8.937 m); minimum, 4.1 ft^3/s (0.12 m^3/s) Oct. 3, 16, 1938.

REMARKS.--Records fair except those for periods of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 897: Drainage area. WSP 1211: 1948, 1949 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	144	994	796	752	460	492	210	16,800	120	150	500
2	81	75	730	559	4,530	440	4,800	300	15,000	110	136	1,000
3	50	63	603	14,400	5,250	420	1,120	363	3,300	150	134	4,000
4	41	67	2,240	12,800	1,280	410	630	2,080	1,130	300	128	700
5	40	256	1,100	3,280	749	400	455	3,570	3,090	500	110	150
6	39	103	483	1,790	723	420	390	759	1,500	400	102	130
7	40	77	344	1,830	769	370	366	404	1,790	350	107	120
8	2,370	486	299	1,050	579	344	564	306	13,900	450	120	700
9	1,330	296	272	9,850	539	325	409	621	5,640	350	108	400
10	210	104	252	10,300	500	317	356	334	4,360	280	102	250
11	110	90	220	37,700	460	356	342	294	1,450	230	95	150
12	80	73	214	11,900	440	630	2,160	723	1,760	170	170	120
13	77	70	232	3,220	420	340	4,060	308	1,280	140	400	500
14	109	67	208	3,440	2,480	312	1,140	228	584	120	1,500	450
15	122	65	184	3,770	5,420	304	633	8,700	883	100	1,000	250
16	92	71	172	1,900	4,900	310	486	17,200	730	96	300	150
17	70	65	161	1,390	1,970	304	394	4,380	441	92	150	112
18	62	61	160	1,180	864	302	361	1,190	872	100	130	104
19	59	68	156	1,010	2,930	304	344	690	951	130	120	98
20	50	69	440	2,900	1,130	651	328	511	430	140	110	93
21	56	2,800	387	2,190	1,660	9,800	312	545	379	120	100	85
22	53	588	240	651	4,940	4,240	1,300	2,950	314	120	95	85
23	52	336	230	2,300	1,370	1,190	1,130	11,800	264	3,470	90	83
24	51	302	1,730	10,300	854	730	630	3,590	220	3,530	85	80
25	50	850	19,100	12,100	639	573	328	920	205	435	80	80
26	60	1,470	19,600	4,520	579	511	304	1,290	180	3,250	75	80
27	65	25,470	4,400	3,140	529	475	266	1,290	170	5,620	70	130
28	72	30,800	2,260	4,470	480	440	248	531	160	350	70	95
29	68	4,900	1,140	2,800	------	2,570	229	367	140	250	100	90
30	62	1,810	947	1,250	------	905	210	340	130	217	200	85
31	56	------	1,190	900	------	697	------	308	------	140	250	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CFSM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

NOTE.--No gage-height record from [illegible] to Oct. [illegible] and Aug. [illegible] to Sept. [illegible].

DATE	TIME	GAGE HT.	DISCHARGE	DATE	TIME	GAGE HT.	DISCHARGE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

07271000 Clear Creek near Oxford, Miss.

LOCATION.--Lat 34°21'20", long 89°39'30", in NW¼SE¼ sec.30, T.8 S., R.4 W., Chickasaw meridian, Lafayette County, near right bank on downstream side of pier of bridge on State Highway 6, 1.0 mile (1.6 km) upstream from Hudson Creek, and 8.3 miles (13.4 km) west of Oxford.

DRAINAGE AREA.--10.3 mi^2 (26.7 km^2).

PERIOD OF RECORD.--January 1939 to July 1941, February 1950 to March 1973, September 1973 to June 1974 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 273.47 ft (83.354 m) above mean sea level. Prior to Mar. 6, 1939, nonrecording gage. Prior to Oct. 1, 1962, at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--23 years (1939-40, 1950-72), 14.3 ft^3/s (0.404 m^3/s), 18.85 in/yr (479 mm/yr).

EXTREMES.--October 1972 to March 1973, September 1973: Maximum discharge during period, 5,040 ft^3/s (143 m^3/s) Mar. 14 (gage height, 13.66 ft or 4.164 m); minimum daily, 7.3 ft^3/s (0.21 m^3/s) Oct. 20, 21 (period of no gage height record), Sept. 8-11.
October 1973 to June 1974: Maximum discharge during period, 3,690 ft^3/s (104 m^3/s) May 15 (gage height, 11.98 ft or 3.652 m); minimum daily, 9.0 ft^3/s (0.255 m^3/s) Oct. 4.
Period of record: Maximum discharge, 6,500 ft^3/s (184 m^3/s) Apr. 29, 1963 (gage height, 14.34 ft or 4.371 m), from rating curve extended above 2,700 ft^3/s (76.5 m^3/s) on basis of slope-area measurements of peak flow; minimum, 3.0 ft^3/s (0.085 m^3/s) July 19-22, 1939.

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 1441: Drainage area. WSP 1561: 1957. WSP 1920: 1939-40, 1950-57, 1958 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	13	10	13	24	11						
2	8.0	30	10	12	15	21						8.7
3	7.8	12	9.8	35	14	16						8.5
4	25	9.5	9.8	17	13	22						8.2
5	10	8.5	11	23	13	16						7.9
												8.0
6	8.8	8.0	24	18	13	59						
7	8.4	500	12	22	14	30						7.9
8	80	11	202	15	56	17						7.6
9	7.8	9.0	48	14	17	13						7.3
10	7.6	8.5	73	14	15	13						7.3
												7.3
11	7.5	8.2	13	13	14	54						
12	7.4	8.0	12	13	13	20						7.3
13	7.4	22	12	13	36	24						7.4
14	7.4	10	159	12	28	368						7.5
15	7.4	9.5	69	12	18	1,860						7.6
												7.8
16	7.6	9.0	16	12	19	1,400						
17	7.6	8.8	14	12	17							8.1
18	7.5	23	12	12	16							8.2
19	7.4	27	15	12	16							8.3
20	7.3	11	18	12	15							8.4
												8.4
21	7.3	9.9	15	595	14							
22	7.5	9.6	14	32	13							8.3
23	27	9.4	13	22	13							8.3
24	9.0	9.4	13	15	12							8.5
25	8.0	50	12	14	12							8.5
												8.5
26	7.8	12	12	28	11							
27	23	11	12	17	11							8.6
28	9.0	12	12	15	11							8.7
29	8.0	12	12	14	------							9.0
30	9.5	11	20	13	------							9.1
31	25	------	15	13	------		------		------		8.9	9.0
TOTAL	387.5	892.3	899.6	1,084	483							------
MEAN	12.5	29.7	29.0	35.0	17.3							244.2
MAX	80	500	202	595	56							8.14
MIN	7.3	8.0	9.8	12	11							9.1
CFSM	1.21	2.88	2.82	3.40	1.68							7.3
IN.	1.40	3.22	3.25	3.92	1.74							.79
												.88

CAL YR 1972 TOTAL 5,647.9 MEAN 15.4 MAX 500 MIN 6.7 CFSM 1.50 IN 20.40

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2000	7.51	1,420	01-21	1030	11.11	3,110
12-14	2100	6.73	1,110	03-14	2400	13.66	5,040

07271000 Clear Creek near Oxford, Miss.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.2	13	11	12	13	12	10	154			
2	9.5	9.2	13	13	16	13	12	17	18			
3	9.1	9.2	12	240	13	12	11	10	14			
4	9.0	16	21	34	12	12	11	75	13			
5	9.1	11	12	16	11	12	11	21	261			
6	9.2	9.9	11	18	11	12	11	12	33			
7	14	9.5	11	16	13	12	11	10	43			
8	11	19	11	12	12	12	12	9.6	59			
9	10	11	11	151	11	12	11	9.6	30			
10	9.9	10	10	910	11	12	11	9.2	80			
11	9.5	9.7	10	284	11	13	11	17	30			
12	9.5	9.5	10	18	11	13	198	13	90			
13	9.5	9.5	10	12	11	12	24	9.2	25			
14	9.8	10	9.7	21	73	13	29	10	20			
15	9.5	12	9.7	12	21	13	16	885	40			
16	9.3	11	9.7	12	58	13	13	62	30			
17	9.2	10	9.6	11	20	12	12	21	17			
18	9.2	10	9.7	11	64	12	12	14	80			
19	9.2	10	11	11	147	12	12	14	70			
20	9.1	27	11	11	25	13	11	12	20			
21	9.2	21	9.7	11	158	51	10	12	16			
22	9.1	13	9.6	11	30	17	74	164	14			
23	9.2	12	9.7	11	20	14	24	25	50			
24	9.2	13	44	125	15	14	18	14	20			
25	9.1	18	36	21	14	12	15	12	15			
26	9.2	140	87	23	13	12	12	12	14			
27	9.2	894	24	27	13	12	12	12	13			
28	9.8	59	17	94	13	12	11	12	13			
29	9.2	18	15	56	------	23	10	12	12			
30	9.1	14	13	20	------	13	10	12	12			
31	9.2	------	12	14	------	12	------	14	------			------
TOTAL	294.1	1,434.7	502.4	2,237	839	440	647	1,541.6	1,306			
MEAN	9.55	47.8	16.2	72.2	30.0	14.2	21.6	49.7	43.5			
MAX	14	894	87	910	158	51	198	885	261			
MIN	9.0	9.2	9.6	11	11	12	10	9.2	12			
CFSM	.93	4.64	1.57	7.01	2.91	1.38	2.10	4.83	4.22			
IN.	1.07	5.18	1.81	8.08	3.03	1.59	2.34	5.57	4.72			

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-27	1615	11.78	3,550	05-15	0845	11.98	3,690
01-10	1130	9.14	2,110	06-05	0430	8.41	1,780
04-12	0500	7.03	1,230				

07272000 Sardis Lake near Sardis, Miss.

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gagehouse of dam of Little Tallahatchie River, 7.5 miles (12.1 km) southeast of Sardis, and 25.7 miles (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--September 1939 to current year. Prior to October 1970 published as Sardis Reservoir near Sardis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft (66.882 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 1,355,700 acre-ft (1,670 hm³) June 24 (elevation 277.61 ft or 84.616 m); minimum, 475,000 acre-ft (586 hm³) Nov. 26 (elevation, 255.46 ft or 77.864 m).
Period of record: Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28, 1973 (elevation, 285.83 ft or 87.121 m); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft (59.1 hm³) Oct. 3, 1941 (elevation, 228.93 ft or 69.778 m).

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft (1,940 hm³) at elevation 281.4 ft (85.771 m), crest of spillway, of which about 1,461,900 acre-ft or 1,800 hm³ is available for flood-control storage and about 108,000 acre-ft (133 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 236.0 ft (71.93 m), 16.6 ft (5.06 m) above sill of outlet tunnel. Water below elevation 219.4 ft (66.873 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Elevation and contents furnished by Corps of Engineers; records reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

240	157.1	255	462.2	270	988.2
245	235.8	260	612.5	275	1,220.7
250	336.2	265	787.2	280	1,487.5

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	843.7	622.0	726.1	726.1	1,295.6	1,282.6	1,052.2	919.9	1,143.2	1,303.3	1,118.9	876.9
2	839.9	614.1	738.3	723.9	1,291.9	1,273.8	1,049.1	916.6	1,181.8	1,294.0	1,110.0	879.3
3	834.8	602.2	740.8	720.0	1,289.3	1,266.1	1,039.2	913.3	1,222.2	1,285.2	1,100.3	885.7
4	827.4	595.8	743.7	733.3	1,289.3	1,256.0	1,032.9	911.3	1,246.9	1,276.9	1,091.0	887.3
5	820.1	594.1	744.4	768.3	1,288.3	1,246.9	1,026.7	914.6	1,254.9	1,270.2	1,080.3	884.1
6	813.7	590.3	745.5	794.7	1,284.7	1,239.3	1,017.5	922.0	1,267.1	1,264.1	1,070.7	877.3
7	804.9	583.9	745.1	803.1	1,281.0	1,230.7	1,009.1	926.9	1,272.2	1,258.0	1,059.9	868.5
8	798.5	576.6	743.0	808.7	1,275.9	1,222.2	999.1	926.9	1,276.9	1,248.9	1,050.0	862.1
9	791.7	570.4	736.5	810.6	1,269.2	1,213.8	991.2	925.3	1,291.9	1,240.3	1,040.5	861.3
10	788.0	563.2	729.3	831.3	1,262.0	1,204.4	982.6	923.2	1,317.9	1,231.3	1,030.7	858.2
11	783.8	555.4	722.9	939.8	1,254.4	1,196.0	974.5	921.2	1,335.4	1,221.7	1,021.0	851.9
12	777.2	547.7	715.4	1,070.3	1,247.4	1,187.7	967.2	918.7	1,342.3	1,212.3	1,011.3	844.1
13	771.6	540.1	707.3	1,154.6	1,239.3	1,179.3	973.2	916.2	1,345.5	1,202.9	1,002.6	837.1
14	763.5	532.3	701.7	1,186.2	1,231.3	1,171.0	980.9	913.3	1,346.6	1,194.1	996.9	829.4
15	756.1	524.3	696.1	1,202.9	1,232.3	1,161.4	986.9	912.9	1,345.5	1,183.3	995.6	820.9
16	785.7	516.8	688.2	1,215.2	1,248.4	1,149.9	986.5	957.0	1,344.5	1,173.0	994.7	811.8
17	741.5	509.6	680.9	1,221.2	1,263.6	1,138.8	982.2	989.9	1,343.4	1,162.8	991.2	803.1
18	732.9	501.7	673.7	1,222.2	1,270.7	1,130.7	975.8	1,022.3	1,340.7	1,152.7	986.0	794.0
19	725.0	495.1	665.9	1,222.2	1,274.4	1,120.3	968.5	1,035.6	1,345.5	1,142.7	980.0	785.0
20	717.2	487.9	658.0	1,221.7	1,286.2	1,110.5	961.7	1,040.5	1,345.5	1,132.2	970.7	776.0
21	708.7	483.1	650.6	1,220.2	1,290.4	1,103.5	953.2	1,044.6	1,346.1	1,123.6	961.7	766.8
22	701.0	484.5	643.8	1,219.2	1,290.4	1,102.1	943.5	1,047.3	1,347.7	1,111.9	951.1	758.3
23	693.0	486.0	636.9	1,217.7	1,306.5	1,105.4	941.8	1,048.9	1,353.0	1,100.7	941.0	751.3
24	685.0	483.4	628.3	1,215.7	1,311.2	1,106.8	942.3	1,049.6	1,355.7	1,100.7	931.5	741.9
25	677.1	478.9	625.0	1,219.7	1,310.1	1,105.4	941.8	1,110.5	1,355.1	1,108.2	922.4	732.2
26	668.9	475.6	632.2	1,234.3	1,307.0	1,097.9	939.8	1,119.4	1,350.3	1,110.0	913.3	724.7
27	661.4	488.8	666.2	1,258.5	1,300.2	1,090.1	936.9	1,124.6	1,342.3	1,118.9	904.3	717.2
28	652.9	550.8	701.4	1,275.3	1,291.4	1,081.3	933.1	1,129.3	1,332.8	1,128.4	895.4	710.4
29	645.2	636.9	721.4	1,286.2	------	1,073.0	928.6	1,132.2	1,322.7	1,129.8	885.3	705.5
30	637.5	698.6	726.4	1,293.5	------	1,065.7	924.5	1,133.5	1,312.7	1,129.3	877.3	697.5
31	629.6	------	728.6	1,297.4	------	1,059.9	------	1,134.1	------	1,125.0	875.7	------
MAX	843.7	698.6	745.5	1,297.6	1,311.2	1,282.6	1,052.2	1,134.1	1,355.7	1,303.3	1,118.9	887.3
MIN	629.6	475.6	625.0	720.0	1,231.3	1,059.9	924.5	911.3	1,143.2	1,100.7	875.7	697.5
(†)	260.37	263.20	263.38	276.49	276.25	271.50	268.40	273.25	276.68	273.00	267.30	262.41
(‡)	-223.7	+96.7	+6.5	+568.7	-12.5	-229.6	-133.8	+214.8	+171.0	-182.9	-247.5	-182.4

CAL YR 1973..... (‡) +99.5
WTR YR 1974..... (‡) -154.7

(†) Elevation, in feet, at 2400 on last day of month.
(‡) Change in contents, in acre-feet.

07272500 Little Tallahatchie River at Sardis Dam, near Sardis, Miss.

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw meridian, Panola County, in gatehouse of Sardis Dam, 7.5 miles (12.1 km) southeast of Sardis, and 25.7 miles (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi^2 (4,002 km^2).

PERIOD OF RECORD.--January 1940 to September 1973. Prior to October 1972 published as Tallahatchie River at Sardis Dam, near Sardis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1948, at site 300 ft (91 m) downstream at datum 194.43 ft (59.262 m) above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft (66.882 m) above mean sea level.

AVERAGE DISCHARGE.--33 years, 2,221 ft^3/s (62.90 m^3/s), 19.52 in/yr (496 mm/yr), unadjusted.

EXTREMES.--Water year 1973: Maximum daily discharge, 11,900 ft^3/s (337 m^3/s) Apr. 28; minimum discharge, 15 ft^3/s (0.42 m^3/s) at times.
Period of record: Maximum discharge, 11,900 ft^3/s (337 m^3/s) Apr. 28, 1973; no flow at times each year prior to 1959.

REMARKS.--Flow completely regulated by Sardis Lake (see sta 07272000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1147: 1946(M). WSP 1711: 1942(M).

NOTE.--Records for 1974 water year will be published in a subsequent report.

07274000 Yocona River near Oxford, Miss.

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ sec.28, T.9 S., R.3 W., Chickasaw meridian, Lafayette County, near left bank on downstream side of pier of bridge on State Highway 7, 1.5 miles (2.4 km) downstream from Burney Branch, 6 miles (10 km) south of Oxford, and at mile 42.3 (68.1 km).

DRAINAGE AREA.--262 mi^2 (679 km^2).

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and supplemental nonrecording gage read once daily. Datum of gage is 267.20 ft or 81.443 m (corrected) above mean sea level. Prior to Jan. 1, 1972, at datum 5.00 ft (1.524 m) higher.

AVERAGE DISCHARGE.--28 years (1946-74), 381 ft^3/s (10.79 m^3/s), 19.75 in/yr (502 mm/yr).

EXTREMES.--Current year: Maximum discharge, 12,400 ft^3/s (351 m^3/s) Nov. 27 (gage height, 26.80 ft or 8.169 m, from graph based on gage readings); minimum daily, 33 ft^3/s (0.93 m^3/s) Oct. 6, 21-23.
Period of record: Maximum discharge, 44,100 ft^3/s (1,250 m^3/s) Mar. 21, 1955 (gage height, 28.72 ft or 8.754 m), from rating curve extended above 22,000 ft^3/s (623 m^3/s); minimum, 4.4 ft^3/s (0.12 m^3/s) Sept. 14, 1954.

REMARKS.--Records fair. Records of chemical analyses for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	49	1,030	546	628	248	341	125	2,590	133	152	134
2	135	50	780	458	1,010	232	666	179	1,560	125	124	279
3	49	41	692	3,660	1,650	218	682	177	1,470	112	117	408
4	45	102	1,170	3,490	1,740	206	824	383	835	117	107	171
5	34	327	794	2,040	979	206	519	616	1,020	143	93	132
6	33	209	575	1,290	748	207	296	556	810	304	88	97
7	87	116	358	1,040	526	186	240	418	706	260	115	77
8	244	555	264	820	512	171	264	207	2,170	154	116	90
9	190	544	220	1,790	382	159	211	152	1,750	130	89	157
10	200	332	191	4,790	315	150	190	141	2,570	118	85	130
11	75	160	160	10,000	265	189	162	138	1,180	107	76	93
12	59	107	154	5,790	240	203	1,100	250	1,380	103	146	50
13	52	93	144	2,000	228	184	1,620	265	1,180	96	464	91
14	65	86	136	1,720	474	155	1,180	160	832	92	228	372
15	62	78	131	1,840	506	138	935	4,840	754	100	205	326
16	60	72	120	1,500	863	135	552	6,010	536	127	633	154
17	52	69	116	1,120	590	130	341	3,050	385	109	595	96
18	48	69	110	885	572	122	278	1,390	404	96	260	79
19	42	71	112	750	1,150	124	250	927	1,150	83	165	76
20	37	427	276	716	740	200	220	720	804	90	111	59
21	33	1,140	290	782	1,060	2,240	200	542	590	83	104	54
22	33	577	188	772	1,510	1,810	1,020	1,590	524	75	81	50
23	33	529	148	1,040	914	991	986	4,020	927	616	69	59
24	34	344	544	2,900	738	616	705	2,520	439	1,040	69	59
25	36	539	3,900	3,600	427	374	441	1,350	280	618	65	54
26	34	758	4,080	2,380	326	309	244	1,010	221	1,340	61	52
27	36	7,330	2,770	1,670	296	265	195	802	190	1,580	77	95
28	49	7,010	1,580	1,850	274	260	167	586	172	1,120	84	59
29	41	3,020	1,030	1,420	------	947	143	396	153	658	73	75
30	45	1,500	808	1,180	------	688	129	296	141	296	176	54
31	46	------	694	832	------	518	------	293	------	194	213	------
TOTAL	2,103	26,304	23,565	64,671	20,063	12,581	15,102	34,419	27,928	10,229	5,144	3,872
MEAN	67.8	877	760	2,086	717	406	503	1,110	931	330	166	129
MAX	244	7,330	4,080	10,000	1,740	2,240	1,620	6,010	2,590	1,580	695	408
MIN	33	41	110	458	228	122	129	125	141	75	61	59
CFSM	.26	3.35	2.90	7.96	2.74	1.55	1.92	4.24	3.55	1.26	.63	.49
IN.	.30	3.73	3.35	9.18	2.85	1.79	2.14	4.89	3.97	1.45	.73	.55

CAL YR 1973 TOTAL 261,248 MEAN 716 MAX 15,300 MIN 25 CFSM 2.73 IN 37.09
WTR YR 1974 TOTAL 245,981 MEAN 674 MAX 10,000 MIN 33 CFSM 2.57 IN 34.93

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-27	Unknown	†26.80	12,400	01-11	0415	26.60	11,000

†From graph based on gage readings.

07274500 Enid Lake near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse of dam on Yocona River, 0.8 mile (1.3 km) upstream from U.S. Highway 51, 2.8 miles (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 miles (5.1 km) northeast of Enid, and 13.5 miles (21.7 km) upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1951 to current year. Prior to October 1970, published as Enid Reservoir near Enid.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft (60.960 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 609,300 acre-ft (751 hm³) June 24 (elevation, 266.14 ft or 81.119 m); minimum, 93,600 acre-ft (115 hm³) Nov. 20 (elevation, 235.03 ft or 71.637 m).
Period of record: Maximum contents, 752,000 acre-ft (927 hm³) Apr. 28, 1973 (elevation, 271.15 ft or 82.647 m); minimum since initial filling of reservoir to conservation level, 480 acre-ft (592,000 m³) Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft (63.124 m) Oct. 3-7, 1952.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft (814 hm³) at elevation 268.0 ft (81.69 m), crest of spillway, of which about 602,400 acre-ft (743 hm³) is available for flood control and about 57,600 acre-ft (71.0 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 230.0 ft (70.10 m), 25 ft (7.6 m) above sill of outlet tunnel. Water below elevation 205.0 ft (62.48 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

230	57.6	245	197.3	260	460.2
235	93.4	250	270.0	265	579.5
240	139.4	255	358.2	272	778.1

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	169,100	112,800	218,200	223,200	417,000	371,400	304,300	356,700	528,800	589,900	514,200	395,200
2	167,000	113,000	220,800	220,000	416,600	367,400	305,500	358,000	538,100	585,700	508,200	397,200
3	164,500	113,300	221,700	223,800	418,200	363,900	306,800	358,000	542,500	583,100	504,200	399,600
4	161,500	113,500	221,800	246,300	419,500	359,300	306,800	360,100	545,200	580,800	499,300	397,800
5	159,300	117,300	220,600	253,100	420,300	355,200	307,500	363,000	549,600	578,200	494,500	393,900
6	156,200	118,600	217,900	255,500	419,500	351,100	308,000	365,100	552,900	578,200	489,600	389,600
7	153,300	119,200	213,900	256,200	416,800	345,600	308,200	366,600	552,400	573,900	485,300	385,300
8	151,500	121,300	209,000	255,300	412,900	339,900	307,300	366,600	563,000	570,600	482,300	383,700
9	149,400	126,200	204,400	253,900	409,200	334,200	308,000	367,200	566,800	566,800	477,300	384,100
10	146,800	127,500	199,400	258,600	405,100	328,200	308,500	367,200	582,900	562,700	473,100	380,600
11	144,600	126,500	197,800	316,000	401,100	322,400	308,900	367,600	587,800	557,600	468,200	376,400
12	143,000	123,000	196,500	348,600	396,800	317,600	314,200	369,100	587,600	553,800	463,100	372,400
13	139,500	119,100	194,900	367,200	392,800	311,700	324,600	369,900	595,900	548,600	462,600	369,500
14	137,900	115,600	193,700	372,600	388,100	306,100	330,200	370,400	596,700	543,700	461,500	368,700
15	135,900	112,300	192,100	382,500	385,900	300,100	334,000	377,000	597,200	539,500	457,600	367,000
16	134,000	108,800	190,400	386,300	384,100	294,000	335,600	435,500	596,400	534,900	453,200	363,900
17	131,900	105,600	188,900	386,100	382,500	288,700	336,600	452,800	594,600	530,700	449,500	360,100
18	128,600	101,800	186,600	384,300	379,600	282,800	337,300	453,000	592,200	526,400	445,800	355,900
19	125,400	98,700	183,000	381,700	379,400	281,500	337,500	462,400	596,200	521,800	441,500	352,000
20	121,400	95,500	179,600	379,400	381,700	281,700	338,400	464,000	596,200	517,700	437,000	347,900
21	119,600	98,900	176,300	377,400	380,000	286,200	339,300	466,200	597,700	513,700	432,400	344,700
22	116,000	101,400	172,700	374,700	387,300	293,800	341,500	467,100	598,800	507,700	429,300	339,900
23	112,900	101,400	169,100	373,300	390,800	295,900	350,700	491,700	605,600	505,800	423,000	335,600
24	105,500	99,500	166,300	377,000	388,600	297,600	353,300	502,100	608,500	506,600	418,600	331,300
25	110,100	98,300	183,400	396,200	387,700	298,300	354,600	507,700	609,100	504,200	414,100	326,900
26	110,300	97,100	199,400	402,900	384,100	298,100	355,400	513,500	608,300	507,000	409,800	323,700
27	110,500	125,100	216,400	407,400	379,800	298,100	355,700	515,600	607,500	519,900	405,300	319,900
28	111,000	178,400	222,100	411,400	375,800	298,100	355,900	517,300	604,000	522,500	401,300	316,000
29	111,600	205,400	223,500	417,000	------	300,300	356,100	518,200	598,800	522,300	396,600	312,100
30	111,900	215,000	224,500	417,800	------	302,900	356,100	518,500	595,100	521,600	394,200	308,200
31	112,900	------	225,400	417,600	------	303,800	------	517,300	------	518,500	394,600	------
MAX	169,100	215,000	225,400	417,800	420,300	371,400	356,100	518,500	609,100	589,900	514,200	399,600
MIN	105,500†	95,500	166,300	220,000	375,800	281,500	304,300	356,700	528,800	504,200	394,200	308,200
(†)	237.25	246.50	246.96	257.97	255.78	252.02	254.91	262.60	265.48	262.42	256.89	252.11
(‡)	-57,400	+104,700	+6,400	+193,100	-43,900	-69,100	+52,500	+163,400	+72,100	-76,400	-120,600	-89,500

CAL YR 1973.....(‡) -40,700
WTR YR 1974.....(‡) +135,200

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, in acre-feet.

07275000 Yocona River at Enid Dam, near Enid, Miss.

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw meridian, Yalobusha County, in gatehouse at Enid Dam, 0.8 mile (1.3 km) upstream from U.S. Highway 51, 2.8 miles (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 miles (5.1 km) northeast of Enid, and 13.5 miles (21.7 km) upstream from mouth.

DRAINAGE AREA.--560 mi^2 (1,450 km^2).

PERIOD OF RECORD.--July 1928 to September 1973. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. Prior to July 14, 1939, nonrecording gage and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft (46 m) downstream from bridge on U.S. Highway 51, 0.8 mile (1.3 km) downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft (57.735 m) above mean sea level; July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft (60.960 m) above mean sea level.

AVERAGE DISCHARGE.--45 years, 837 ft^3/s (23.70 m^3/s), 20.30 in/yr (516 mm/yr), unadjusted.

EXTREMES.--Water year 1973: Maximum daily discharge, 4,510 ft^3/s (127.7 m^3/s) Apr. 27; minimum discharge, 5.0 ft^3/s (0.14 m^3/s) at times.

Period of record: Maximum discharge, 36,300 ft^3/s (1,030 m^3/s) Feb. 14, 1948 (gage height, 21.61 ft or 6.587 m, site and datum then in use); maximum discharge since July 1951, when regulation began, 6,060 ft^3/s (172 m^3/s) Dec. 28, 1951; no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 ft^3/s (0.96 m^3/s) Sept. 28, 1931, but may have been less during period of estimated record October to December 1931.

REMARKS.--Flow completely regulated by Enid Lake since July 16, 1951 (see sta 07274500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

NOTE.--Records for 1974 water year will be published in a subsequent report.

07278000 Arkabutla Lake near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of dam on Coldwater River, 4 miles (6 km) north of Arkabutla, and 54.3 miles (87.4 km) upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--August 1941 to current year. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft (58.272 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 376,200 acre-ft (464 hm³) June 24 (elevation 233.30 ft or 71.110 m); minimum, 52,000 acre-ft (64.1 hm³) Dec. 23 (elevation, 212.68 ft or 64.825 m).
Period of record: Maximum contents, 702,800 acre-ft (867 hm³) Apr. 25, 1973 (elevation, 243.08 ft or 74.091 m); minimum, since initial filling of reservoir to conservation level, 30 acre-ft (37,000 m³) at times during 1942-45; minimum elevation, 192.83 ft (58.775 m) Aug. 25, 1943.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft (648 hm³) at elevation 238.3 ft (72.63 m), crest of spillway, of which about 493,800 acre-ft (609 hm³) is available for flood-control storage and about 31,500 acre-ft (38.8 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 209.3 ft (63.79 m), 18 ft (5.5 m) above sill of outlet gages. Water below elevation 191.3 ft (58.31 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1007: 1941. WSP 1241: 1947.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

210	35.3	220	122.3	227	232.2
215	69.8	222	149.0	230	295.0
218	98.9	225	195.9	235	423.1

CONTENTS, IN ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97,500	59,900	181,300	103,900	232,600	156,100	72,500	115,700	212,800	350,700	268,900	184,200
2	97,300	60,100	183,200	97,200	224,100	150,500	71,600	114,000	243,400	347,200	265,300	183,600
3	96,900	60,000	182,600	90,200	215,200	158,800	69,800	112,600	251,400	344,400	261,100	183,900
4	96,200	60,300	181,300	90,900	205,900	139,000	68,100	110,600	254,500	342,300	258,200	181,800
5	96,000	61,200	178,700	88,300	190,400	133,100	67,200	110,000	259,700	340,100	254,700	178,300
6	95,600	61,500	173,100	83,200	188,500	127,800	67,200	108,700	261,100	338,400	251,200	175,000
7	95,000	61,600	164,900	79,500	181,600	127,700	67,000	106,400	260,100	334,000	247,400	171,900
8	104,000	61,900	157,000	77,100	174,200	126,800	66,900	103,900	265,300	330,600	243,600	170,500
9	105,900	62,200	147,300	75,800	167,200	123,400	67,100	101,600	306,800	326,700	240,100	171,300
10	103,900	62,200	139,000	90,800	159,800	120,000	67,200	99,200	327,400	323,000	236,300	168,400
11	100,700	61,900	133,500	186,200	152,200	116,400	67,300	96,900	348,700	319,200	232,800	165,500
12	98,200	61,800	127,800	271,800	145,900	112,600	72,100	94,600	353,000	315,800	229,900	162,800
13	94,100	61,700	122,000	296,800	139,850	109,500	100,300	92,900	353,800	311,200	226,500	161,900
14	91,500	61,600	116,800	308,600	134,000	105,100	114,200	91,300	355,600	307,800	225,600	159,800
15	88,800	61,400	111,400	317,000	135,700	100,700	120,000	92,900	356,900	302,800	224,600	156,900
16	85,400	60,300	104,700	319,200	140,800	95,400	121,100	131,100	361,200	298,000	222,400	153,700
17	82,400	59,500	97,400	313,000	148,300	90,800	120,700	151,200	361,700	293,900	219,800	150,500
18	80,500	56,600	89,500	305,600	150,300	85,800	119,100	156,100	36[illegible],500	292,500	216,600	147,200
19	88,100	57,000	81,700	296,400	151,600	81,100	116,900	158,300	37[illegible],100	292,100	214,600	144,400
20	76,200	54,200	74,000	288,700	156,700	76,200	114,800	160,000	371,400	288,300	211,700	141,200
21	74,100	56,600	66,900	284,800	155,900	74,900	112,200	161,200	371,400	284,100	207,600	138,900
22	72,000	60,100	59,500	278,200	170,300	80,000	113,600	162,200	371,900	280,600	204,800	136,500
23	69,900	60,300	52,100	269,300	179,600	81,600	123,600	177,200	374,800	278,800	200,300	134,400
24	68,400	59,900	52,900	261,700	179,600	81,800	128,700	187,500	376,200	279,500	196,800	131,400
25	66,800	58,700	62,500	258,800	176,900	81,300	128,900	190,200	373,000	277,300	193,500	129,100
26	65,200	57,200	75,900	252,000	173,000	80,200	127,900	192,700	369,500	276,200	190,400	126,900
27	63,700	74,400	95,700	252,200	167,600	79,100	126,000	193,200	365,300	279,500	187,500	124,300
28	62,300	126,400	105,600	249,200	161,600	77,700	123,600	194,200	362,000	279,500	184,700	121,100
29	60,600	165,900	108,100	252,400	------	76,600	121,100	194,900	358,900	277,500	181,600	117,400
30	59,300	174,900	109,600	247,600	------	75,700	118,400	194,700	354,600	274,700	181,300	115,400
31	59,700	------	108,900	240,500	------	74,100	------	194,000	------	271,400	182,600	------
MAX	105,900	174,900	183,200	319,200	232,600	158,800	128,800	194,900	376,200	350,700	268,900	184,200
MIN	59,300	54,200	52,100	75,800	134,000	74,100	66,900	91,300	212,800	271,400	181,300	115,400
(†)	213.75	223.99	218.60	227.10	222.62	215.37	219.54	225.35	232.37	228.85	224.27	219.27
(‡)	-37,900	+119,300	-73,500	+128,600	-76,100	-85,100	+43,700	+85,300	+150,000	-82,300	-86,000	-70,300

CAL YR 1973..... (‡) -221,300
WTR YR 1974..... (‡) +15,700

† Elevation, in feet, at 2400 on last day of month.
‡ Change in contents, in acre-feet.

07278500 Coldwater River at Arkabutla Dam, near Arkabutla, Miss.

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw meridian, De Soto County, in gatehouse of Arkabutla Dam, 4 miles (6 km) north of Arkabutla, and 54.3 miles (87.4 km) upstream from mouth.

DRAINAGE AREA.--1,000 mi^2 (2,590 km^2), approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to September 1973. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 miles (2.7 km) downstream at datum 187.54 ft (57.162 m) above mean sea level. Jan. 1 to June 30, 1942, nonrecording gage 135 ft (41 m) downstream from outlet tunnel of Arkabutla Dam and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft (113 m) downstream from outlet tunnel, both at datum 171.28 ft (52.206 m) above mean sea level. Jan. 1, 1948, to Sept. 30, 1958, at present datum 191.18 ft (58.272 m) above mean sea level.

AVERAGE DISCHARGE.--35 years, 1,297 ft^3/s (36.73 m^3/s), 17.61 in/yr (447 mm/yr), unadjusted.

EXTREMES.--Water year 1973: Maximum daily discharge, 10,200 ft^3/s (289 m^3/s) Apr. 25; minimum discharge, 5.0 ft^3/s (0.14 m^3/s) at times.

Period of record: Maximum discharge observed, 30,200 ft^3/s (855 m^3/s) Jan. 22, 1938 (gage height, 12.9 ft or 3.93 m, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake, 120 ft^3/s (3.40 m^3/s) Oct. 15, 1938.

A stage of 21.3 ft or 6.49 m (from floodmarks) occurred in January 1935 at original site and datum.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see sta 07278000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1241: 1946. WSP 1441: 1938(M).

NOTE.--Records for 1974 water year will be published in a subsequent report.

07280000 Tallahatchie River near Lambert, Miss.

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw meridian, Quitman County, near center of span on downstream side of highway bridge, 0.2 miles (0.3 km) downstream from confluence of Old Little Tallahatchie River and Coldwater River, 3.5 miles (5.6 km) southeast of Lambert, and 26.2 miles (42.2 km) upstream from the Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 mi^2 (5.130 km^2), approximately (does not include 2,600 mi^2 or 6,730 km^2) of upper Little Tallahatchie (formerly Tallahatchie) and Yocona Rivers, the entire flow of which is diverted 24.5 miles (39.4 km) upstream through Panola-Quitman Floodway.

PERIOD OF RECORD.--October 1935 to September 1973. Prior to October 1938, monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft (37.743 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 miles (9.3 km) downstream from base gage at datum 2.66 ft (0.811 m) higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 2,623 ft^3/s (74.28 m^3/s), 17.99 in/yr (457 mm/yr).

EXTREMES.--Water year 1973: Maximum daily discharge, 15,100 ft^3/s (428 m^3/s) May 3; maximum gage height, 33.04 ft (10.071 m); minimum daily discharge, 768 ft^3/s (21.7 m^3/s) Sept. 30.

Period of record: Maximum discharge observed, 32,800 ft^3/s (929 m^3/s) Jan. 30, 1937 (gage height, 35.54 ft or 10.833 m); minimum, 59 ft^3/s (1.67 m^3/s) Oct. 27-29, 1942; minimum gage height, 5.85 ft (1.783 m) Oct. 16-21, 1938.

A stage of 36.8 ft or 11.22 m (from floodmarks) occurred in January 1932 (probably affected by levee breaks above).

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see sta 07278000). Entire flow of Little Tallahatchie River and Yocona River diverted around the station through the Panola-Quitman Floodway. Records of chemical analyses for the water year 1970 are published in reports of the Geological Survey.

COOPERATION.--Twenty-nine discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1281: 1939.

NOTE.--Records for 1974 water year will be published in a subsequent report.

07281000 Tallahatchie River at Swan Lake, Miss.

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw meridian, Tallahatchie County, on downstream side of left pier of highway bridge, 1 mile (2 km) southeast of Swan Lake, 3 miles (5 km) downstream from Cassidy Bayou, and 18 miles (29 km) downstream from point where Panola-Quitman floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 mi^2 (13,290 km^2), approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to September 1973. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft (34.558 m) above mean sea level. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft (0.610 m) higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum; all at site 1.3 miles (2.1 km) upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 miles (4.5 km) downstream from former base gage at datum 0.95 ft (0.290 m) lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 miles (6.1 km) downstream from former base gage at same datum.

AVERAGE DISCHARGE.--35 years (1938-73), 7,289 ft^3/s (206.4 m^3/s), 19.30 in/yr (490 mm/yr), unadjusted.

EXTREMES.--Water year 1973: Maximum daily discharge, 44,900 ft^3/s (1,270 m^3/s) Mar. 17-18; maximum gage height, 31.59 ft (9.630 m) Mar. 17; minimum daily, 2,950 ft^3/s (83.5 m^3/s) Oct. 12.
Period of record: Maximum discharge observed, 49,200 ft^3/s (1,390 m^3/s) Apr. 9, 1933; maximum gage height, 37.0 ft (11.278 m) Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 ft^3/s (6.03 m^3/s) Oct. 27, 1942; minimum gage height, 1.38 ft (0.421 m) Oct. 26-28, 1942.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), and Arkabutla Lake on Coldwater River (see sta 07278000).

COOPERATION.--Twenty-one discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1711: 1932(M).

NOTE.--Records for 1974 water year will be published in a subsequent report.

07282000 Yalobusha River at Calhoun City, Miss.

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw meridian, Calhoun County, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mile (1.3 km) upstream from Topashaw Creek, 1.2 miles (1.9 km) south of Calhoun City, 1.5 miles (2.4 km) upstream from old channel, and 4.8 miles (7.7 km) upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi^2 (790 km^2), combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 226.06 ft (68.903 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft (3.048 m) higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft (23 m) downstream at same datum. Water-stage recorder and nonrecording gage read twice daily on Topashaw Creek Canal, 2.5 miles (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

AVERAGE DISCHARGE.--24 years, 377 ft^3/s (10.68 m^3/s), 16.79 in/yr (426 mm/yr).

EXTREMES.--Current year: Maximum discharge, 30,100 ft^3/s (852 m^3/s) Nov. 27; maximum gage height at river gage, 22.15 ft (6.751 m) May 15; minimum daily discharge, 3.7 ft^3/s (0.105 m^3/s) Oct. 13.
Period of record: Maximum discharge, 52,100 ft^3/s (1,480 m^3/s) Mar. 16, 1973; maximum gage height at river gage, 25.22 ft (7.687 m) Mar. 29, 1951 (present datum); no flow at times.

REMARKS.--Records fair. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967.

REVISIONS (WATER YEARS).--WRD Miss. 1970: 1969 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	21	348	175	273	138	1,080	69	1,510	28	18	870
2	31	16	198	59	4,340	126	6,170	74	482	24	16	680
3	75	9.9	147	4,320	4,560	119	1,530	68	223	21	24	343
4	38	169	874	3,130	1,530	110	824	104	130	31	40	165
5	16	350	454	1,030	655	99	329	135	225	36	17	79
6	9.1	66	225	981	485	95	236	79	455	41	15	43
7	7.0	48	127	1,330	1,460	86	191	55	1,680	310	14	33
8	5.8	790	89	566	676	79	933	45	4,440	382	24	36
9	5.7	354	71	805	339	73	596	41	1,090	74	23	49
10	5.8	121	59	1,300	242	70	313	37	446	172	11	52
11	5.6	64	51	8,800	187	85	191	76	185	63	9.7	42
12	4.0	29	49	2,770	160	241	3,470	299	2,070	41	8.9	47
13	3.7	19	47	938	146	139	5,660	99	3,240	35	63	80
14	11	14	43	2,000	146	109	1,880	60	906	29	43	92
15	14	14	37	3,220	721	84	706	9,340	322	27	24	114
16	12	12	34	1,180	2,440	76	282	6,040	180	25	22	54
17	9.6	10	30	586	987	74	194	1,600	101	24	26	36
18	7.2	8.8	27	310	465	73	152	415	805	21	19	30
19	6.3	7.1	28	254	1,800	100	124	141	536	40	15	26
20	5.7	20	448	2,400	673	447	104	97	155	73	10	23
21	5.4	1,100	218	1,710	1,380	3,210	91	83	87	35	8.6	20
22	5.1	281	113	693	2,830	1,070	3,010	530	63	28	7.1	15
23	5.0	299	83	4,150	856	378	2,720	1,920	6,530	279	6.3	12
24	5.3	340	1,550	9,030	408	214	780	550	1,420	161	5.3	13
25	4.2	397	12,000	5,330	237	186	276	181	278	41	4.6	17
26	4.1	815	7,250	3,330	189	167	157	3,090	130	89	4.0	27
27	5.9	15,200	3,060	1,730	168	150	126	1,640	86	250	4.3	26
28	23	6,710	908	6,960	151	145	100	402	60	77	11	21
29	18	1,890	465	3,590	------	5,680	82	146	45	44	191	15
30	10	783	209	1,140	------	1,430	68	100	36	29	425	13
31	14	------	219	541	------	423	------	78	------	22	864	------
TOTAL	376.7	29,947.8	29,460	74,402	28,504	15,476	32,375	27,594	27,916	2,552	1,973.8	3,073
MEAN	12.2	998	950	2,400	1,018	499	1,079	890	931	82.3	63.7	102
MAX	75	15,200	12,000	9,030	4,560	5,680	6,170	9,340	6,530	382	864	870
MIN	3.7	7.1	27	59	146	70	68	37	36	21	4.0	12
CFSM	.04	3.27	3.11	7.87	3.34	1.64	3.54	2.92	3.05	.27	.21	.33
IN.	.05	3.65	3.59	9.07	3.48	1.89	3.95	3.37	3.40	.31	.24	.37

CAL YR 1973 TOTAL 304,767.3 MEAN 835 MAX 40,300 MIN 2.4 CFSM 2.74 IN 37.18
WTR YR 1974 TOTAL 273,650.3 MEAN 750 MAX 15,200 MIN 3.7 CFSM 2.46 IN 33.38

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-27	1300	21.71	30,100	03-29	0500	14.54	12,600
12-25	0700	21.87	18,400	04-02	0100	17.89	13,600
01-11	0700	19.96	16,400	04-12	2200	19.21	13,200
01-24	1700	20.68	17,500	05-15	1600	22.15	23,200
01-28	1100	21.02	14,400	06-23	0700	18.94	12,200

07283000 Skuna River at Bruce, Miss.

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw meridian, Calhoun County, near right bank on downstream side of bridge on State Highway 9, 1 mile (1.6 km) south of Bruce.

DRAINAGE AREA.--254 mi^2 (658 km^2).

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 228.75 ft (69.723 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft (3.048 m) higher. Oct. 1947 to Aug. 30, 1948, nonrecording gage; Aug. 31, 1948, to Mar. 23, 1955, water-stage recorder; and Mar. 24, 1955, to Sept. 12, 1958, nonrecording gage at same site.

AVERAGE DISCHARGE.--27 years, 363 ft^3/s (10.28 m^3/s), 19.41 in/yr (493 mm/yr).

EXTREMES.--Current year: Maximum discharge, 21,000 ft^3/s (595 m^3/s) May 15 (gage height, 24.20 ft or 7.376 m); minimum daily, 12 ft^3/s (0.34 m^3/s) Oct. 6, 21-23.
Period of record: Maximum discharge, 61,400 ft^3/s (1,740 m^3/s) Mar. 21, 1955 (gage height, 34.11 ft or 10.397 m, present datum), from rating curve extended above 19,000 ft^3/s (538 m^3/s) on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft^3/s (0.025 m^3/s) Aug. 18, 1954.

REMARKS.--Records good except those for periods of doubtful or no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1920: 1958(P), 1959-60(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	22	150	71	209	97	204	51	5,570	41	22	964
2	78	24	117	68	8,730	96	2,810	56	1,040	38	20	695
3	21	23	132	3,000	230	95	467	51	274	36	29	1,250
4	19	52	812	2,000	227	95	264	83	157	33	58	202
5	13	443	219	500	219	87	153	272	172	33	24	85
6	12	86	141	350	296	87	110	91	236	31	18	61
7	44	44	102	250	260	91	96	58	471	37	16	49
8	165	2,140	87	200	230	79	485	49	4,740	56	16	47
9	125	603	78	288	200	72	196	47	805	39	18	234
10	135	125	70	2,480	180	70	111	43	348	33	29	100
11	35	62	63	9,000	160	69	87	45	200	33	25	62
12	26	48	61	3,000	145	92	1,390	192	2,970	32	27	61
13	22	42	61	500	133	78	3,390	83	2,710	27	960	73
14	30	37	56	350	148	67	612	49	434	24	835	366
15	28	33	49	1,010	196	66	275	10,300	220	23	78	289
16	27	29	44	392	900	64	190	5,770	214	22	130	83
17	22	33	40	424	700	63	145	608	125	37	158	47
18	20	32	39	326	550	62	120	218	999	24	40	38
19	17	31	44	268	750	65	105	135	1,000	33	26	34
20	14	69	195	1,920	650	100	88	101	180	28	21	28
21	12	2,280	171	1,200	1,200	2,200	77	90	96	26	18	25
22	12	324	91	400	1,600	461	1,200	2,670	71	22	17	22
23	12	762	77	300	600	206	400	6,280	2,630	123	17	22
24	13	876	663	3,000	300	129	250	691	324	353	15	22
25	14	1,850	3,660	4,000	200	111	150	218	120	57	15	22
26	13	578	807	600	150	110	120	1,490	83	510	14	29
27	14	12,200	305	474	130	99	90	843	67	964	13	36
28	21	741	209	3,740	110	94	70	200	58	97	16	39
29	16	248	250	1,200	------	1,090	60	111	49	47	114	28
30	19	185	143	600	------	392	54	86	46	31	242	22
31	19	------	89	300	------	162	------	78	------	25	710	------
TOTAL	1,082	24,022	9,026	42,211	19,403	6,627	13,769	31,059	26,409	2,915	3,741	5,035
MEAN	34.9	801	291	1,362	693	214	459	1,002	880	94.0	121	168
MAX	165	12,200	3,660	9,000	8,730	2,200	3,390	10,300	5,570	964	960	1,250
MIN	12	22	39	68	110	62	54	43	46	22	13	22
CFSM	.14	3.15	1.15	5.36	2.73	.84	1.81	3.94	3.46	.37	.48	.66
IN.	.18	3.52	1.32	6.18	2.84	.97	2.02	4.55	3.87	.43	.55	.74

CAL YR 1973 TOTAL 253,985.0 MEAN 696 MAX 30,300 MIN 7.2 CFSM 2.74 IN 37.20
WTR YR 1974 TOTAL 185,299.0 MEAN 508 MAX 12,200 MIN 12 CFSM 2.00 IN 27.14

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-27	1930	23.77	19,900	05-15	1645	24.20	21,000
12-25	1630	20.48	12,900	05-23	0215	20.45	12,800
01-11	Unknown	Unknown	Unknown	06-01	0945	17.48	8,090
01-28	1430	20.01	12,000	06-08	0430	17.31	7,850
02-02	1545	22.18	16,300	06-12	1945	17.14	7,620
04-02	0500	15.03	5,130	06-23	0715	15.05	5,160
04-13	0030	16.83	7,210				

NOTE.--Doubtful or no gage-height record Oct. 1 to Nov. 2, Jan. 3 to Mar. 20.

07284500 Grenada Lake near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, at gatehouse of dam on Yalobusha River, 2.2 miles (3.5 km) upstream from Batupan Creek, 3 miles (5 km) northeast of Grenada, and 63.6 miles (102 km) upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 mi^2 (3,420 km^2), approximately.

PERIOD OF RECORD.--July 1953 to current year. Prior to October 1970, published as Grenada Reservoir near Grenada.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) above mean sea level.

EXTREMES.--Current year: Maximum contents, 1,183,700 acre-ft (1,460 hm^3) June 24 (elevation 228.52 ft or 69.653 m); minimum, 261,900 acre-ft (323 hm^3) Nov. 26 (elevation, 204.89 ft or 62.450 m).
Period of record: Maximum contents, 1,575,600 acre-ft (1,940 hm^3) Apr. 28, 1973 (elevation, 234.48 ft or 71.470 m); minimum since initial filling of reservoir to conservation level, 66,900 acre-ft (82.5 hm^3) Dec. 4, 1962 (elevation, 190.95 ft or 58.202 m).

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft (1,650 hm^3) at elevation 231.0 ft (70.41 m), crest of spillway, of which about 1,251,700 acre-ft (1,540 hm^3) is available for flood-control storage and about 85,700 acre-ft (106 hm^3) of storage is maintained in conservation pool for incidental recreational purposes at elevation 193.0 ft (58.83 m), 24 ft (7.3 m) above sill of outlet gates. Water below 169.0 ft (51.51 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

190	59.0	205	264.3	220	747.3
195	106.5	210	389.1	225	986.6
200	171.8	215	549.3	230	1,273.8

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	611.7	376.9	409.3	482.4	998.3	920.0	691.0	775.1	1,012.7	1,133.2	892.8	668.9
2	604.9	368.3	412.8	477.1	1,001.0	911.6	704.3	772.4	1,036.8	1,124.1	883.0	674.3
3	597.6	360.2	413.7	478.1	1,050.6	901.7	721.2	772.4	1,041.2	1,115.5	873.3	682.8
4	590.8	352.5	414.6	518.0	1,046.6	892.8	720.8	772.0	1,042.3	1,104.9	864.7	682.4
5	582.6	357.5	411.9	548.9	1,047.1	883.0	713.2	774.7	1,042.9	1,099.5	856.6	679.1
6	574.5	355.1	409.6	559.8	1,061.6	873.8	704.7	775.1	1,046.7	1,091.6	848.0	672.2
7	566.4	347.7	405.2	565.3	1,057.2	863.8	694.3	774.7	1,049.5	1,083.2	839.0	659.6
8	560.2	345.1	399.2	567.9	1,050.6	854.7	686.1	772.9	1,071.5	1,077.6	830.2	656.4
9	553.7	348.5	392.0	566.8	1,044.0	844.2	680.0	771.6	1,095.5	1,072.7	821.4	656.0
10	546.8	345.6	384.3	569.3	1,035.2	833.9	677.1	770.7	1,100.6	1,066.0	812.2	647.7
11	539.4	339.9	378.2	619.4	1,027.1	824.6	674.6	770.7	1,104.6	1,056.6	803.0	639.8
12	531.7	332.7	371.6	683.2	1,016.4	815.9	677.9	772.0	1,105.2	1,051.1	795.7	631.9
13	522.6	325.4	365.1	704.3	1,004.7	807.1	699.3	772.0	1,128.9	1,042.3	789.3	624.4
14	518.0	317.4	358.8	713.6	994.6	796.6	725.9	770.7	1,139.6	1,033.1	782.6	617.4
15	510.1	309.7	351.9	733.1	988.7	787.1	736.5	771.1	1,141.9	1,022.9	776.0	610.6
16	504.4	301.8	343.6	751.7	982.0	775.1	740.0	854.2	1,140.7	1,014.3	769.3	604.5
17	497.0	294.3	337.3	759.2	982.4	764.9	741.7	896.7	1,137.3	1,004.7	761.8	596.1
18	488.3	286.1	329.6	762.7	977.2	755.7	741.3	906.1	1,134.4	994.6	753.5	588.2
19	480.0	278.0	320.6	761.8	971.5	745.1	740.8	909.6	1,143.0	986.6	746.0	580.3
20	472.3	270.9	313.4	757.4	975.7	740.4	740.8	909.1	1,143.6	977.2	739.5	572.3
21	464.6	270.3	304.2	757.4	971.0	735.7	739.1	910.1	1,141.3	971.0	731.9	564.2
22	457.5	272.0	296.4	757.0	967.4	738.7	741.[illegible]	910.6	1,137.5	962.2	723.3	556.2
23	449.6	271.1	287.3	212.4	973.6	734.8	759.6	946.3	1,155.3	956.0	714.0	548.2
24	441.5	267.4	280.3	784.0	965.8	729.3	772.9	966.9	1,180.7	950.4	704.7	538.0
25	432.9	266.5	311.7	869.0	958.6	720.8	776.0	971.0	1,181.9	942.2	696.8	529.2
26	424.4	263.9	386.8	909.6	948.8	711.0	777.3	981.9	1,177.8	937.0	688.6	525.4
27	415.1	269.2	440.9	928.5	939.1	700.5	776.0	994.0	1,168.3	934.0	679.5	512.8
28	408.1	317.6	467.8	945.3	929.5	691.0	775.5	1,001.5	1,160.0	928.0	671.0	504.0
29	398.9	382.4	473.6	987.7	------	692.3	775.1	1,002.6	1,151.1	919.0	664.4	494.3
30	390.8	402.3	480.0	1,000.4	------	696.8	773.8	1,001.5	1,141.9	911.1	662.0	485.3
31	362.9	------	482.4	1,001.0	------	697.6	------	1,001.0	------	901.7	664.0	------
MAX	611.7	402.3	482.4	1,001.0	1,047.1	920.0	777.3	1,002.6	1,181.9	1,133.2	892.8	682.8
MIN	362.9	263.9	280.3	212.4	929.5	691.0	674.6	770.7	1,012.7	901.7	662.0	485.3
(†)	209.62	210.62	213.08	225.24	223.78	218.70	220.60	225.39	227.71	223.21	218.09	213.97
(‡)	-235.5	+285.0	+764.0	+516.0	-754.0	-231.7	+81.5	+233.6	+128.7	-240.4	-228.4	-154.1

CAL YR 1973..... (‡) +77.9
WTR YR 1974..... (‡) -100.8

(†) Elevation, in feet, at 2400 on last day of month.
(‡) Change in contents, in acre-feet.

07285000 Yalobusha River at Grenada Dam, near Grenada, Miss.

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw meridian, Grenada County, in gatehouse of Grenada Dam, 2.2 miles (3.5 km) upstream from Batupan Creek, 3 miles (5 km) northeast of Grenada, and 63.6 miles (102.3 km) upstream from mouth.

DRAINAGE AREA.--1,320 mi^2 (3,420 km^2), approximately.

PERIOD OF RECORD.--July 1953 to September 1973.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) above mean sea level.

AVERAGE DISCHARGE.--20 years, 1,757 ft^3/s (49.76 m^3/s), 18.08 in/yr (459 mm/yr), unadjusted.

EXTREMES.--Water year 1973: Maximum daily discharge, 4,900 ft^3/s (139 m^3/s) Apr. 27; minimum daily, 5.0 ft^3/s (0.14 m^3/s) at times.
Period of record: Maximum discharge, 4,900 ft^3/s (139 m^3/s) Apr. 27, 1973; no flow at times prior to Jan. 1, 1959.

REMARKS.--Flow completely regulated by Grenada Lake (see sta 07284500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

NOTE.--Records for 1974 water year will be published in a subsequent report.

07285900 Askalmore Creek at Retention Dam near Cascilla, Miss.

LOCATION.--Lat 33°55'01", long 89°59'48", in NE¼SE¼ sec.29, T.24 N., R.3 E., Choctaw meridian, Tallahatchie County, near outlet structure of retention dam on Askalmore Creek, 1.0 mile (1.6 km) upstream from Powers Creek, 4.2 miles (6.8 km) north of Cascilla, and 7.2 miles (11.6 km) southeast of Charleston.

DRAINAGE AREA.--10.5 mi^2 (27.2 km^2).

PERIOD OF RECORD.--October 1966 to June 1974 (discontinued).

GAGE.--Water-stage recorder and concrete drop inlet open on two sides located in pool. Datum of gage is 230.00 ft (70.104 m) above mean sea level (levels by Soil Conservation Service).

AVERAGE DISCHARGE.--7 years, 16.0 ft^3/s (0.453 m^3/s), 20.64 in/yr (524 mm/yr).

EXTREMES.--October 1973 to June 1974: Maximum outflow during period, 134 ft^3/s (3.79 m^3/s) May 15 (gage height, 23.19 ft or 7.068 m); minimum daily outflow, 1.1 ft^3/s (0.031 m^3/s) Oct. 4-9, 12.
Period of record: Maximum outflow, 620 ft^3/s (17.6 m^3/s) Mar. 16, 1973 (gage height, 27.75 ft or 8.458 m); from rating curve extended above 140 ft^3/s (3.96 m^3/s) on basis of computation of flow through emergency spillway; minimum daily outflow, 0.20 ft^3/s (0.006 m^3/s) July 16-22, 1971.

REMARKS.--Records fair. Reservoir constructed by Soil Conservation Service for flood retention. Records of daily discharge are outflow from reservoir, determined from stage-discharge relation for outflow structure. Reservoir is formed by earthfill dam. Outlet structure consists of concrete drop inlet connected to a 36-inch concrete outlet pipe. The concrete inlet structure is open on opposite sides of the drop inlet with a concrete cover. Top of the drop inlet is at gage height 10.9 ft (3.32 m), emergency spillway at gage height, 26.10 ft (7.955 m). Normal pool area, 95 acres (384,000 m^2) with volume of 762 acre-ft (940,000 m^3). Flood pool area, 304 acres (1.23 km^2) with volume of 2,775 acre-ft (3.42 hm^3).

REVISIONS (WATER YEARS).--WRD Miss. 1970: 1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.4	2.6	129	22	15	6.2	8.7	1.4	80			
2	1.3	2.4	126	9.1	79	5.1	37	4.6	130			
3	1.3	2.2	123	107	122	4.8	14	2.7	126			
4	1.3	43	120	127	48	4.1	6.2	2.7	100			
5	1.1	60	130	124	21	3.5	3.0	3.0	15			
6	1.1	12	126	69	15	3.5	2.2	2.2	12			
7	1.1	5.7	120	22	12	3.0	2.0	1.6	42			
8	1.1	121	30	14	9.0	2.6	52	1.4	126			
9	1.1	60	10	33	7.3	2.2	15	1.3	124			
10	1.3	12	8.0	98	6.7	2.2	6.5	1.1	125			
11	1.3	5.7	6.0	132	6.1	2.8	3.3	3.0	120			
12	1.1	3.0	5.0	132	5.2	3.5	101	7.3	80			
13	1.3	2.4	10	131	5.1	2.3	125	2.7	30			
14	4.6	2.2	7.0	130	5.1	2.2	84	1.6	9.0			
15	3.5	2.2	5.0	129	5.3	2.0	18	80	6.0			
16	3.0	2.0	4.0	127	30	2.0	7.9	134	5.0			
17	2.4	1.8	3.5	125	16	2.0	4.5	133	5.0			
18	2.0	2.0	3.0	90	12	2.0	3.3	132	20			
19	1.6	2.4	4.9	22	102	3.1	2.6	131	10			
20	1.4	30	19	23	28	9.4	2.2	129	8.0			
21	1.4	123	8.1	19	53	51	2.0	127	7.0			
22	1.4	48	4.1	12	122	16	83	127	25			
23	1.4	11	3.1	93	46	7.5	97	130	15			
24	1.4	5.6	65	118	17	3.9	20	128	7.0			
25	1.4	22	131	128	10	3.4	7.3	125	5.0			
26	1.4	13	131	126	7.9	3.0	3.5	124	3.0			
27	1.4	116	131	123	7.2	2.7	2.4	85	2.0			
28	2.0	133	130	121	6.7	2.8	1.8	18	1.7			
29	2.2	132	128	96	------	31	1.6	8.1	1.5			
30	2.0	130	125	25	------	14	1.4	4.9	1.4			
31	2.7	------	102	15	------	6.6	------	3.9	------			------
TOTAL	53.0	1,108.2	1,947.7	2,532.1	819.6	210.4	718.4	1,656.5	1,241.6			
MEAN	1.71	36.9	62.8	81.7	29.3	6.79	23.9	53.4	41.4			
MAX	4.6	133	131	132	122	51	125	134	130			
MIN	1.1	1.8	3.0	9.1	5.1	2.0	1.4	1.1	1.4			
CFSM	.16	3.51	5.98	7.78	2.79	.65	2.28	5.09	3.94			
IN.	.19	3.93	6.90	8.97	2.90	.75	2.54	5.87	4.40			

CAL YR 1973 TOTAL 11,527.02 MEAN 31.6 MAX 414 MIN .49 CFSM 3.01 IN 40.83

07287000 Yazoo River at Greenwood, Miss.

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw meridian, Leflore County, on left bank 110 ft (33.5 m) downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mile (0.6 km) downstream from Palusha Bayou, 3 miles (5 km) downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mile 170.8 (274.8 km).

DRAINAGE AREA.--7,450 mi^2 (19,300 km^2), approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to September 1973 in reports of Geological Survey. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964 in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft (28.063 m) above mean sea level. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft (33.5 m) upstream at various datums.

AVERAGE DISCHARGE.--51 years (1907-12, 1927-73), 9,929 ft^3/s (281.2 m^3/s), 18.10 in/yr (460 mm/yr), unadjusted.

EXTREMES.--Water year 1973: Maximum daily discharge, 43,800 ft^3/s (1,240 m^3/s) Mar. 21; maximum gage height, 38.37 ft (11.695 m) Mar. 20, 21; minimum daily discharge, 6,470 ft^3/s (183 m^3/s) Oct. 31 (gage height, 16.33 ft or 4.977 m).

Period of record: Maximum discharge, 72,900 ft^3/s (2,060 m^3/s) Jan. 19, 1932 (gage height, 40.10 ft or 12.222 m); minimum, 536 ft^3/s (15.2 m^3/s) Oct. 20, 1943; minimum gage height observed, 1.0 ft (0.305 m) Oct. 17, 1908, present datum.

Maximum stage known, 41.2 ft (12.56 m) in 1882, caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see sta 07272000), Enid Lake on Yocona River (see sta 07274500), Arkabutla Lake on Coldwater River (see sta 07278000), and Grenada Lake on Yalobusha River (see sta 07284500).

COOPERATION.--Thirty discharge measurements and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

NOTE.--Records for 1974 water year will be published in a subsequent report.

07288500 Big Sunflower River at Sunflower, Miss.

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw meridian, Sunflower County, near right bank on downstream side of highway bridge, 0.5 mile (0.8 km) northwest of Sunflower, 2.5 miles (4.0 km) downstream from Jones Bayou, and 19 miles (31 km) upstream from Quiver River.

DRAINAGE AREA.--767 mi^2 (1,987 km^2).

PERIOD OF RECORD.--October 1935 to September 1973 in reports of Geological Survey. Prior to October 1938 monthly discharge only published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district. Prior to Oct. 1, 1972, published as Sunflower River at Sunflower, Miss.

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft (28.331 m) above mean sea level (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft (28.346 m) lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

AVERAGE DISCHARGE.--38 years, 992 ft^3/s (28.1 m^3/s), 17.56 in/yr (446 mm/yr).

EXTREMES.--Water year 1973: Maximum daily discharge, 15,000 ft^3/s (425 m^3/s) Mar. 18; maximum gage height, 28.37 ft (8.647 m) Mar. 18; minimum daily discharge, 96 ft^3/s (2.72 m^3/s) Oct. 20, 21; minimum gage height, 1.28 ft (0.390 m) Oct. 21.

Period of record: Maximum daily discharge, 15,000 ft^3/s (425 m^3/s) Mar. 18, 1973; maximum gage height, 28.37 ft (8.647 m) Mar. 18, 1973; minimum discharge, 81 ft^3/s (2.29 m^3/s) Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft (0.238 m) Oct. 15, 1967.

REMARKS.--Diversion for irrigation of about 5,000 acres (20.2 km^2) and withdrawal of an average of about 6 ft^3/s (0.17 m^3/s) for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Twenty-one discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(m).

NOTE.--Records for 1974 water year will be published in a subsequent report.

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, over cavity of fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 miles (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,144,500 mi^2 (2,964,300 km^2).

PERIOD OF RECORD.--Discharge: January 1928 to September 1973. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1973 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 miles (1.8 km) upstream in reports of Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871; extremes of discharge for various years 1858 to 1926 and since 1926; annual mean discharges since 1871; and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

GAGE.--Water-stage recorder (bridge gage) maintained by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary water-stage recorder on left bank near downstream side of bridge, and since Jan. 1, 1968, on left bank at site 1.1 miles (1.8 km) upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) above mean sea level (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 miles (2.4 km) upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 miles (2.4 km) upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft (490 m) upstream from mouth. Gages used by National Weather Service; May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mile (0.8 km) upstream from bridge gage; Oct. 30, 1919, to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal; Dec. 1, 1922, to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal; Sept. 1, 1934, to Dec. 31, 1962, nonrecording gage at bridge; Jan. 1, 1963, to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge; and since Jan. 1, 1968, on left bank at site 1.1 miles (1.8 km) upstream.

All gages at same datum, but readings differ due to slope of water surface between them.

AVERAGE DISCHARGE.--45 years, 562,400 ft^3/s (15,930 m^3/s), 407,500,000 acre-ft/yr (502 km^3/yr).

EXTREMES.--Water year 1973: Maximum daily discharge, 1,962,000 ft^3/s (55,600 m^3/s) May 12; Maximum gage height, 50.67 ft or 15.444 m May 14, at bridge gage, 53.10 ft or 16.185 m at supplementary recorder; minimum daily discharge, 291,000 ft^3/s (8,240 m^3/s) Sept. 26, minimum gage height, 9.00 ft (2.743 m) at supplementary recorder.

Period of record: Maximum discharge, 2,080,000 ft^3/s (58,900 m^3/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft^3/s (2,820 m^3/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

Maximum stage known since at least 1871, 58.4 ft (17.80 m), Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams. Records of chemical analyses and water temperatures for the current year are published in Part 2 of this report.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

REVISIONS.--WSP 747: Drainage area.

NOTE.--Records for 1974 water year will be published in a subsequent report.

07289350 Big Black River at West, Miss.

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw meridian, Attala County, on downstream side of bridge on State Highway 19, 0.2 mile (0.3 km) east of West, 5.2 miles (8.4 km) upstream from Jordon Creek, and 7.1 miles (11.4 km) downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi^2 (2,551 km^2).

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft (76.121 m) above mean sea level. Prior to June 10, 1948, nonrecording gage; and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft (610 m) downstream at same datum.

EXTREMES.--Current year: Maximum discharge, 16,700 ft^3/s (473 m^3/s) Dec. 25 (gage height, 21.20 ft or 6.462 m); minimum, 62 ft^3/s (1.76 m^3/s) Oct. 26, 27, 28 (gage height, 1.60 ft or 0.488 m).
Period of record: Maximum discharge, 57,700 ft^3/s (1,630 m^3/s) Mar. 16, 1973 (gage height, 25.11 ft or 7.654 m); minimum discharge, 40 ft^3/s (1.13 m^3/s) Sept. 16, 1972 (gage height, 1.12 ft or 0.341 m).
Flood of March 30, 1951, reached a stage of 24.09 ft or 7.343 m (47,000 ft^3/s or 1,330 m^3/s). Minimum gage height observed, 0.38 ft (0.116 m) Sept. 22, 23, 1956 (from reports of Corps of Engineers, Vicksburg district).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	231	160	7,020	5,220	6,960	1,210	3,210	514	722	670	78	507
2	174	140	5,700	3,660	5,500	758	3,940	628	979	319	72	1,130
3	195	129	4,340	3,240	4,260	635	3,570	612	849	253	72	1,210
4	133	139	3,280	4,700	3,870	574	2,810	542	557	218	77	700
5	102	374	2,130	5,300	3,240	517	2,480	610	368	188	113	339
6	94	384	1,230	4,700	2,990	465	2,500	790	884	174	91	213
7	85	292	787	8,600	3,250	430	2,070	755	1,380	176	73	166
8	73	490	518	7,100	3,230	394	1,190	676	2,180	242	122	147
9	69	1,530	405	5,900	2,790	365	620	388	2,990	363	108	138
10	71	1,480	360	7,340	2,490	338	489	324	4,720	332	122	158
11	80	866	324	8,030	2,510	347	402	306	9,320	215	89	201
12	77	417	297	9,950	2,170	1,190	1,010	529	7,500	156	83	199
13	67	257	286	8,840	1,520	1,280	5,070	614	5,380	135	532	193
14	66	200	282	7,850	1,060	1,210	8,030	476	3,600	127	1,390	209
15	131	170	268	9,560	2,290	1,160	9,080	339	2,720	112	1,460	152
16	287	159	249	8,180	4,580	785	8,660	358	1,520	112	1,170	128
17	314	150	235	6,860	5,940	507	7,220	807	672	114	819	133
18	178	138	224	6,400	6,540	408	5,440	839	504	109	519	115
19	136	133	222	5,380	6,700	373	3,620	490	1,310	143	250	102
20	113	124	550	4,100	5,740	1,600	2,400	306	1,480	109	156	98
21	87	592	954	3,800	4,260	2,980	910	249	1,470	121	118	93
22	80	1,180	1,030	3,420	5,340	4,100	1,740	223	980	98	101	89
23	75	1,170	847	3,480	5,180	5,440	6,120	316	1,110	109	91	86
24	73	948	1,290	7,450	4,520	5,620	5,840	532	1,790	94	85	82
25	68	658	9,960	12,600	5,460	4,060	4,700	426	1,780	112	80	84
26	64	835	13,800	12,400	4,700	3,140	4,760	455	2,300	131	78	106
27	62	2,300	12,400	11,800	3,460	1,900	3,580	1,040	4,700	114	77	131
28	66	11,500	10,600	11,500	2,460	976	2,460	1,130	5,100	136	94	138
29	73	11,000	9,440	12,600	------	1,650	1,070	1,250	3,310	134	142	310
30	82	8,750	8,150	9,680	------	2,850	575	920	2,340	105	321	278
31	96	------	6,620	7,880	------	3,050	------	428	------	87	261	------
TOTAL	3,502	46,665	103,798	227,520	113,010	50,312	105,566	17,872	74,515	5,508	8,844	7,635
MEAN	113	1,556	3,348	7,339	4,036	1,623	3,519	577	2,484	178	285	255
MAX	314	11,500	13,800	12,600	6,960	5,620	9,080	1,250	9,320	670	1,460	1,210
MIN	62	124	222	3,240	1,060	338	402	223	368	87	72	82
CFSM	.11	1.58	3.40	7.45	4.10	1.65	3.57	.59	2.52	.18	.29	.26
IN.	.13	1.76	3.92	8.59	4.27	1.90	3.99	.67	2.81	.21	.33	.29

CAL YR 1973 TOTAL 846,306 MEAN 2,319 MAX 49,100 MIN 52 CFSM 2.35 IN 31.96
WTR YR 1974 TOTAL 764,747 MEAN 2,095 MAX 13,800 MIN 62 CFSM 2.13 IN 28.88

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-28	1300	20.85	14,600	01-12	0500	19.78	10,300
12-25	2230	21.20	16,700	01-29	0200	20.79	14,400

07290000 Big Black River near Bovina, Miss.

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ sec.22, T.16 N., R.5 E., Washington meridian, Hinds County, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft (90 m) upstream from Clear Creek, 0.4 mile (0.6 km) upstream from Illinois Central Railroad bridge, 2 miles (3 km) east of Bovina, 12 miles (19 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km). Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately (includes that of Clear Creek).

PERIOD OF RECORD.--February 1936 to current year. Prior to October 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft (25.887 m) above mean sea level, or 85.00 ft (25.908 m) above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 3,483 ft³/s (98.64 m³/s); 16.83 in/yr (427 mm/yr).

EXTREMES.--Current year: Maximum discharge, 33,400 ft³/s (946 m³/s) Jan. 11 (gage height, 38.56 ft or 11.753 m); minimum, 216 ft³/s (6.12 m³/s) Oct. 13 (gage height, 7.01 ft or 2.137 m).
Period of record: Maximum discharge, 63,500 ft³/s (1,800 m³/s) Dec. 20, 1961 (gage height, 40.53 ft or 12.354 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954 (gage height, 5.98 ft or 1.823 m).
From information by local residents, floods at Askews Bridge, 6 miles (10 km) upstream, reached elevations above mean sea level as follows: Dec. 20, 1961, 139.2 ft (42.43 m); in 1912 and in January 1927, 139 ft (42.4 m); Apr. 1, 1951, 138.5 ft (42.21 m). A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

REMARKS.--Records good. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WRD Miss. 1968: 1966-67.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	327	485	7,010	19,000	25,400	12,300	7,120	7,960	4,240	2,890	367	862
2	744	475	6,680	19,500	26,800	11,200	8,070	7,120	2,730	3,170	372	1,400
3	779	453	6,270	22,300	24,900	9,950	8,480	5,840	1,670	3,360	369	1,190
4	713	471	6,060	22,500	22,500	8,630	8,690	3,440	1,220	3,000	357	944
5	554	2,100	5,950	21,100	19,800	7,450	9,180	2,270	1,350	1,800	342	977
6	429	3,030	5,820	22,200	17,300	5,320	9,640	1,860	2,500	1,040	327	1,220
7	370	2,960	5,740	23,700	15,500	3,000	9,630	1,680	4,190	858	315	1,180
8	345	2,220	5,780	24,400	13,800	2,240	8,980	1,670	4,730	777	315	915
9	304	1,710	5,910	27,900	12,300	1,970	7,750	1,550	4,950	740	339	703
10	282	1,070	6,030	28,600	11,300	1,780	6,220	1,480	5,200	673	348	598
11	252	962	5,450	31,300	10,400	1,830	5,010	1,550	5,270	625	381	743
12	233	1,570	2,900	25,800	9,610	3,480	7,820	3,710	5,290	568	366	775
13	220	1,800	1,370	27,900	8,990	3,740	15,600	5,670	5,400	619	351	562
14	371	1,490	1,030	25,100	8,468	3,430	15,500	6,140	5,510	606	381	524
15	386	1,030	903	25,100	10,700	3,540	14,900	4,580	5,500	571	369	497
16	593	735	814	27,000	13,000	3,400	15,600	2,300	5,260	747	417	476
17	1,770	585	755	25,600	13,500	2,980	17,300	1,460	4,950	619	828	449
18	2,760	496	710	23,900	14,500	2,690	17,900	1,170	4,840	606	1,350	446
19	2,550	439	695	22,200	15,900	2,390	17,400	977	4,900	770	1,480	421
20	1,480	412	991	20,400	17,500	2,020	15,800	914	4,930	587	1,320	388
21	927	835	1,370	18,500	18,700	2,060	13,900	1,120	3,840	552	1,060	360
22	404	1,420	1,910	17,300	19,000	2,740	12,300	1,220	2,160	625	839	344
23	464	2,040	2,020	16,700	17,800	3,730	12,100	1,230	2,130	616	673	335
24	389	2,410	7,290	17,600	16,300	4,320	11,700	1,010	2,120	531	574	325
25	335	2,290	15,400	18,500	15,200	4,680	11,400	878	2,090	513	507	426
26	298	1,970	15,100	22,300	14,600	4,850	11,300	1,110	2,440	507	465	995
27	269	2,960	14,400	26,500	13,700	5,050	11,000	1,570	2,560	609	471	626
28	255	4,060	15,200	30,400	13,100	5,210	10,500	3,120	2,410	546	648	482
29	249	7,260	15,000	30,100	------	5,970	9,700	4,010	2,350	447	534	986
30	233	7,180	17,400	25,800	------	6,710	8,840	4,420	2,560	411	498	826
31	241	------	19,500	25,700	------	6,970	------	4,690	------	402	513	------
TOTAL	20,028	58,922	201,758	755,300	443,560	145,640	339,330	87,719	109,290	30,385	17,496	20,975
MEAN	646	1,964	6,509	24,360	15,840	4,698	11,310	2,830	3,643	980	564	699
MAX	2,760	7,260	19,500	31,300	28,400	12,300	17,900	7,960	5,510	3,360	1,480	1,400
MIN	220	412	695	16,700	8,460	1,780	5,010	878	1,220	402	315	325
CFSM	.23	.70	2.32	8.67	5.64	1.67	4.02	1.01	1.30	.35	.20	.25
IN.	.27	.78	2.67	10.00	5.87	1.93	4.49	1.16	1.45	.40	.23	.28

CAL YR 1973 TOTAL 2,054,482 MEAN 5,634 MAX 45,700 MIN 173 CFSM 2.01 IN 27.22
WTR YR 1974 TOTAL 2,240,403 MEAN 6,111 MAX 31,300 MIN 220 CFSM 2.17 IN 29.53

07290650 Bayou Pierre near Willows, Miss.

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington meridian, Claiborne County, near right bank at downstream side of bridge on county highway, 1.4 miles (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 miles (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi^2 (1,691 km^2).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.097 m) above mean sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--13 years, 778 ft^3/s (21.98 m^3/s), 16.18 in/yr (410 mm/yr).

EXTREMES.--Current year: Maximum discharge, 51,000 ft^3/s (1,440 m^3/s) Apr. 13 (gage height, 27.33 ft or 8.330 m) minimum, 51 ft^3/s (1.44 m^3/s) Oct. 30 (gage height, 2.98 ft or 0.908 m).
Period of record: Maximum discharge, 51,000 ft^3/s (1,440 m^3/s) Apr. 13, 1974 (gage height, 27.33 ft or 8.330 m); maximum gage height, 27.42 ft (8.358 m) Oct. 5, 1964; minimum discharge, 19 ft^3/s (0.54 m^3/s) Oct. 6, 1969; minimum gage height, 2.17 ft (0.661 m) Nov. 4, 5, 6, 1971.

REMARKS.--Records good except those for periods of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	144	467	1,440	1,100	464	491	309	124	75	72	2,370
2	95	95	307	695	950	422	2,670	280	120	74	80	2,120
3	74	76	254	8,630	955	391	3,460	274	140	74	77	530
4	65	332	318	10,900	865	357	2,230	252	320	72	75	255
5	63	3,650	380	2,460	660	323	994	240	810	71	68	166
6	59	788	304	2,000	2,300	290	710	230	300	368	64	126
7	57	405	218	5,180	6,200	269	520	221	200	565	65	108
8	54	382	185	2,350	1,020	243	443	213	150	171	122	107
9	55	309	170	1,690	900	227	387	206	135	166	88	178
10	59	360	161	1,820	700	210	338	201	128	176	68	252
11	57	433	150	9,000	600	210	252	560	120	116	60	286
12	60	195	144	5,170	500	6,120	10,900	795	114	92	60	233
13	65	146	141	2,820	520	3,170	39,800	304	111	83	293	141
14	113	125	137	2,560	450	1,090	39,700	234	109	108	1,560	319
15	117	113	194	3,270	800	665	24,200	210	107	139	194	585
16	551	105	234	1,370	5,000	540	5,100	190	110	105	91	230
17	359	93	153	911	2,000	469	2,700	180	105	94	86	143
18	140	87	136	700	1,500	414	2,000	160	98	83	99	112
19	92	86	151	705	8,100	368	1,200	150	94	161	680	96
20	79	105	1,540	5,740	2,740	330	980	145	92	92	259	86
21	69	2,610	986	3,070	2,580	675	750	140	89	72	114	80
22	59	1,210	451	1,820	4,620	730	600	138	92	68	83	75
23	58	619	290	2,980	1,850	520	1,640	240	120	65	70	70
24	55	279	3,380	8,420	1,110	473	1,120	460	168	75	63	65
25	53	361	16,700	8,940	785	357	740	600	124	92	59	875
26	53	361	13,900	9,880	640	550	555	320	98	145	77	4,740
27	52	2,610	6,150	4,930	505	3,340	464	190	94	199	116	1,010
28	54	5,290	2,910	11,100	510	2,230	414	154	84	152	575	376
29	54	2,030	1,380	8,050	------	1,300	361	140	80	105	1,890	835
30	51	1,370	840	3,070	------	895	330	135	78	96	850	384
31	124	------	1,730	1,690	------	580	------	130	------	80	3,190	------
TOTAL	3,004	24,709	54,461	133,361	50,580	28,222	146,049	8,001	4,514	4,034	11,248	16,953
MEAN	96.9	824	1,757	4,302	1,806	910	4,868	258	150	130	363	565
MAX	551	5,290	16,700	11,100	8,100	6,120	39,800	795	810	565	3,190	4,740
MIN	51	76	136	695	450	210	252	130	78	65	59	65
CFSM	.15	1.26	2.69	6.59	2.77	1.39	7.45	.40	.23	.20	.56	.87
IN.	.17	1.41	3.10	7.60	2.88	1.61	8.32	.46	.26	.23	.64	.97

CAL YR 1973 TOTAL 477,113 MEAN 1,307 MAX 22,900 MIN 51 CFSM 2.00 IN 27.18
WTR YR 1974 TOTAL 485,136 MEAN 1,329 MAX 39,800 MIN 51 CFSM 2.04 IN 27.64

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	2100	22.47	19,600	01-28	2300	21.76	18,300
01-04	0245	21.91	18,600	04-13	1745	27.33	51,000

NOTE.--No gage-height record May 14 to June 14.

HOMOCHITTO RIVER BASIN

07291000 Homochitto River at Eddiceton, Miss.

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington meridian, Franklin County, on left bank at upstream side of Mississippi Central Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mile (0.6 km) upstream from McCall Creek, and 0.8 mile (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi^2 (470 km^2), approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft (66.209 m) above mean sea level. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

AVERAGE DISCHARGE.--36 years, 251 ft^3/s (7.108 m^3/s), 18.94 in/yr (481 mm/yr).

EXTREMES.--Current year: Maximum discharge, 55,400 ft^3/s (1,570 m^3/s) Apr. 13 (gage height, 19.53 ft or 5.95 m, from floodmark); minimum daily, 43 ft^3/s (1.22 m^3/s) Oct. 29.
Period of record: Maximum discharge, 55,400 ft^3/s (1,570 m^3/s) Apr. 13, 1974 (gage height, 19.53 ft or 5.95 m); minimum discharge, 26 ft^3/s (0.74 m^3/s) Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft^3/s (0.79 m^3/s) Sept. 2, 4, 1954, Sept. 29, 1956.

REMARKS.--Records fair except those for period of no gage-height record, which are poor.

REVISIONS (WATER YEARS).--WSP 1281: 1939-40, 1942-44, 1949-50.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	63	163	248	364	188	288	122	120	52	66	120
2	56	51	136	204	371	187	2,750	118	100	50	74	150
3	55	50	119	1,060	301	178	536	114	82	92	78	70
4	53	67	233	709	289	170	502	107	98	76	64	65
5	53	493	168	401	260	161	345	117	84	56	56	55
6	51	117	114	480	333	154	262	107	76	500	55	50
7	50	91	97	1,360	435	148	235	99	73	260	53	60
8	48	87	89	442	336	141	219	96	69	180	52	55
9	51	89	85	443	267	137	193	94	66	120	65	100
10	55	100	80	385	241	135	179	100	150	94	57	200
11	50	65	76	2,680	228	167	172	150	100	84	50	120
12	48	60	75	1,150	216	389	5,710	198	78	78	80	60
13	47	60	75	506	210	280	34,600	110	62	72	65	70
14	48	58	72	407	205	189	9,160	90	58	110	75	80
15	51	56	76	362	1,580	164	1,220	85	76	140	65	250
16	58	55	69	319	1,620	154	540	120	70	105	55	120
17	58	55	67	284	503	137	388	105	66	90	50	90
18	51	56	70	266	353	131	214	84	64	76	58	75
19	50	56	94	349	915	131	189	80	62	64	55	65
20	47	110	304	2,320	433	127	171	76	59	58	53	62
21	47	792	159	603	378	183	162	80	58	52	50	58
22	47	211	109	389	621	155	167	400	57	50	48	56
23	48	128	94	386	339	144	213	350	92	48	46	54
24	47	122	968	1,670	273	184	171	230	74	46	45	52
25	46	182	10,300	1,930	227	235	152	130	65	80	44	50
26	45	226	2,740	1,730	207	227	158	160	62	70	60	80
27	44	1,300	668	870	203	960	148	180	60	180	50	72
28	43	1,520	401	3,070	196	400	138	90	56	120	47	64
29	44	298	332	1,070	------	289	132	82	54	100	80	58
30	44	203	354	568	------	211	126	76	52	85	100	50
31	65	------	300	432	------	163	------	72	------	75	200	------
TOTAL	1,563	6,821	18,687	27,093	11,964	6,019	59,440	4,022	2,243	3,263	1,996	2,531
MEAN	50.4	227	603	874	427	214	1,981	130	74.8	105	64.4	84.4
MAX	65	1,520	10,300	3,070	1,620	960	34,600	400	150	500	200	250
MIN	43	50	67	204	196	127	126	72	52	46	44	50
CFSM	.28	1.26	3.35	4.86	2.37	1.19	11.0	.72	.42	.58	.36	.47
IN.	.32	1.41	3.86	5.60	2.47	1.37	12.28	.83	.46	.67	.41	.52

CAL YR 1973 TOTAL 143,466 MEAN 393 MAX 10,300 MIN 43 CFSM 2.18 IN 29.65
WTR YR 1974 TOTAL 146,242 MEAN 401 MAX 34,600 MIN 43 CFSM 2.23 IN 30.22

PEAK DISCHARGE (BASE, 9,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	0430	12.51	17,700	04-13	1630	†19.53	55,400

† From floodmark

NOTE.--Doubtful or no gage-height record Oct. 25-30, Apr. 13, May 9 to Sept. 30.

07292500 Homochitto River at Rosetta, Miss.

LOCATION.--Lat 31°19'20", long 91°06'20", in sec.12, T.4 N., R.1 E., Washington meridian, Wilkinson County, on downstream side of bridge on State Highway 33 at Rosetta, 800 ft (240 m) downstream from Illinois Central Railroad bridge, 1 mile (1.6 km) downstream from Foster Creek, and 5 miles (8 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi^2 (1,940 km^2), approximately.

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year in reports of Geological Survey. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Datum of gage is 94.39 ft (28.770 m) above mean sea level. June 16 to Nov. 12, 1906, nonrecording gage at railroad bridge 800 ft (240 m) upstream at different datum.

AVERAGE DISCHARGE.--23 years, 1,022 ft^3/s (28.94 m^3/s), 18.51 in/yr (470 mm/yr).

EXTREMES.--Current year: Maximum discharge, 150,000 ft^3/s (4,250 m^3/s) Apr. 13 (gage height, 28.60 ft or 8.717 m) from rating curve extended above 47,000 ft^3/s (1,330 m^3/s) on basis of runoff comparisons with nearby stations; minimum daily, 230 ft^3/s (6.52 m^3/s) Oct. 29.

Period of record: Maximum discharge, 150,000 ft^3/s (4,250 m^3/s) Apr. 13, 1974, from rating curve extended above 47,000 ft^3/s (1,330 m^3/s); maximum gage height, 36.03 ft (10.982 m) May 4, 1953; minimum discharge, 129 ft^3/s (3.65 m^3/s) Sept. 22-25, 28-30, 1956.

Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

REMARKS.--Records fair except those above 1,000 ft^3/s (28.3 m^3/s), which are poor. Records of chemical analyses for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1731: 1955 (M). WSP 1920: 1955.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	520	242	402	648	1,430	542	482	747	429	317	400	545
2	411	264	737	683	1,620	594	5,290	765	927	312	435	510
3	369	274	644	1,440	1,480	542	3,490	734	717	350	430	540
4	357	271	648	2,380	1,120	542	2,420	734	477	372	495	480
5	350	1,020	654	850	874	572	1,480	734	459	339	460	490
6	332	734	1,030	1,080	1,300	565	1,040	731	495	361	420	435
7	336	422	438	2,280	2,440	535	924	665	417	1,500	405	430
8	329	753	448	1,280	1,630	520	683	591	388	744	410	520
9	329	861	420	543	1,160	496	577	575	366	600	400	1,220
10	346	610	392	1,050	882	447	505	525	405	450	425	545
11	343	450	340	8,150	725	621	480	541	501	390	380	570
12	326	375	329	6,150	701	1,440	12,200	539	483	370	375	560
13	315	360	294	3,310	654	874	114,000	525	417	365	420	504
14	322	357	317	1,610	596	840	84,000	447	871	420	610	2,290
15	324	353	294	1,330	1,800	741	14,500	447	759	545	430	1,390
16	326	357	311	1,060	5,180	725	5,220	429	513	440	400	422
17	353	361	314	571	2,020	648	3,710	441	429	370	395	445
18	302	357	314	850	1,080	610	3,080	435	429	344	490	400
19	280	353	341	585	1,410	599	2,190	435	423	320	490	545
20	271	393	565	7,080	1,340	534	1,590	441	400	309	440	400
21	250	2,220	1,070	2,580	985	737	1,780	441	383	342	405	540
22	234	1,310	477	1,580	2,520	745	1,630	403	383	344	350	560
23	234	784	442	1,530	1,040	677	1,060	463	405	328	375	565
24	242	494	3,440	5,220	773	665	1,510	545	411	415	380	510
25	234	943	29,000	8,180	798	1,040	1,300	423	372	445	375	520
26	244	1,330	14,800	7,280	665	1,030	1,100	585	350	380	410	590
27	256	2,040	3,240	4,520	632	3,540	1,040	639	339	360	470	748
28	256	7,990	1,340	8,520	621	2,540	1,040	447	325	420	485	550
29	230	1,480	1,090	5,050	------	1,590	492	435	328	375	565	520
30	233	1,040	929	2,420	------	1,320	484	423	322	354	600	510
31	250	------	785	1,750	------	1,040	------	396	------	410	590	------
TOTAL	9,620	26,103	64,712	92,750	37,109	28,943	284,191	17,654	13,993	13,432	13,925	20,375
MEAN	307	870	2,152	2,992	1,325	934	9,806	569	466	433	446	679
MAX	520	7,990	29,000	8,520	5,180	3,540	114,000	663	927	1,500	690	2,290
MIN	230	242	284	640	564	447	480	396	322	309	300	430
CFSM	.41	1.16	2.87	3.99	1.77	1.25	11.7	.75	.62	.58	.59	.91
IN.	.47	1.44	3.31	4.80	1.84	1.44	13.10	.87	.69	.67	.69	1.01

CAL YR 1973 TOTAL 612,642 MEAN 1,678 MAX 24,000 MIN 238 CFSM 2.24 IN 30.39
WTR YR 1974 TOTAL 487,484 MEAN 1,664 MAX 114,000 MIN 238 CFSM 2.22 IN 30.13

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-25	0300	22.00	49,300	04-02	a0400	b17.30	16,500
01-28	a1700	b17.78	18,900	04-13	a2000	b28.60	150,000

a Approximately.

07295000 Buffalo River near Woodville, Miss.

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington meridian, Wilkinson County, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 miles (2.4 km) downstream from Fords Creek, 2.8 miles (4.5 km) west of Wilkinson, and 8.5 miles (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi^2 (471 km^2).

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) above mean sea level. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--32 years, 263 ft^3/s (7.448 m^3/s), 19.62 in/yr (498 mm/yr).

EXTREMES.--Current year: Maximum discharge, 42,000 ft^3/s (1,189 m^3/s) Apr. 13 (gage height, 19.61 ft or 5.98 m); minimum daily, 54 ft^3/s (1.53 m^3/s) Oct. 23-27.
Period of record: Maximum discharge, 65,000 ft^3/s (1,840 m^3/s) Mar. 25, 1973 (gage height, 22.3 ft or 6.80 m, from floodmarks), from rating curve extended above 35,000 ft^3/s (990 m^3/s); minimum, 16 ft^3/s (0.45 m^3/s) Aug. 14, 18, 19, 1954, Sept. 28, 1956.

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--WSP 1281: 1943, 1946 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	74	160	285	1,080	258	482	114	177	66	139	144
2	61	63	123	710	2,670	245	2,520	113	323	67	117	133
3	56	60	102	2,290	1,300	240	733	112	111	67	108	166
4	56	545	295	988	790	235	652	113	88	75	94	133
5	55	2,590	135	580	350	238	505	111	95	63	92	123
6	55	230	83	320	3,200	225	430	110	97	200	91	115
7	55	126	67	1,080	3,040	220	401	105	76	127	87	111
8	55	1,870	63	530	1,100	215	377	110	71	91	91	174
9	55	680	61	190	700	210	347	93	71	80	87	230
10	61	199	61	133	350	210	322	90	74	76	85	130
11	56	111	61	4,790	318	300	308	101	65	72	85	119
12	55	81	61	1,610	270	831	5,830	93	65	69	85	113
13	55	71	61	610	260	423	22,000	82	61	68	92	126
14	64	67	60	275	350	360	5,430	80	60	99	96	193
15	69	67	60	175	1,600	330	1,550	77	59	193	89	123
16	62	66	60	155	1,180	300	928	79	60	101	89	115
17	83	66	60	135	900	280	700	74	61	91	92	111
18	64	64	58	470	580	270	415	74	60	95	108	104
19	60	64	78	1,000	400	260	310	74	62	83	147	96
20	57	66	362	2,790	354	250	210	72	86	77	108	91
21	55	605	78	727	503	738	180	95	75	74	100	91
22	55	121	60	680	623	449	160	333	67	103	92	89
23	54	74	68	1,920	402	407	170	179	166	83	92	83
24	54	69	2,660	3,930	350	380	160	101	226	81	92	81
25	54	2,430	8,200	3,400	310	370	150	88	98	163	94	81
26	54	705	3,540	3,400	280	852	140	128	89	180	130	85
27	54	3,480	600	1,570	270	2,800	132	116	84	139	149	81
28	55	1,780	260	5,180	260	943	126	91	77	113	160	78
29	57	424	455	1,630	------	648	120	81	74	104	168	78
30	57	230	700	818	------	511	116	70	69	100	174	74
31	74	------	305	560	------	443	------	72	------	121	196	------
TOTAL	1,828	17,078	18,989	42,575	23,762	14,425	45,904	3,231	2,847	3,121	3,421	3,471
MEAN	59.0	569	613	1,373	849	465	1,530	104	94.9	101	110	116
MAX	83	3,480	8,200	5,180	3,200	2,800	22,000	333	323	200	196	230
MIN	54	60	58	133	260	210	116	70	59	63	85	74
CFSM	.32	3.13	3.37	7.54	4.66	2.55	8.41	.57	.52	.55	.60	.64
IN.	.37	3.49	3.88	8.70	4.86	2.95	9.38	.66	.58	.64	.70	.71

CAL YR 1973 TOTAL 208,067 MEAN 568 MAX 10,700 MIN 52 CFSM 3.01 IN 40.89
WTR YR 1974 TOTAL 180,652 MEAN 495 MAX 22,000 MIN 54 CFSM 2.72 IN 34.92

PEAK DISCHARGE (BASE, 11,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-05	0130	12.32	11,300	01-11	1115	12.79	12,700
11-27	2045	13.41	14,500	01-28	1215	13.59	15,300
12-25	0215	17.10	29,400	04-13	0115	19.61	42,000

07377000 Amite River near Darlington, La.

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, near center of span on downstream side of bridge on State Highway 10, 1.5 miles (2.4 km) upstream from Collins Creek, and 4.0 miles (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi^2 (1,502 km^2).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) above mean sea level. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (213 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--24 years, 834 ft^3/s (23.62 m^3/s), 19.53 in/yr (496 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,400 ft^3/s (634 m^3/s) Apr. 14, gage height, 17.13 ft (5.22 m); minimum, 288 ft^3/s (8.16 m^3/s) Aug. 25, minimum gage height, 3.37 ft (1.03 m) Oct. 29, 30.
Period of record: Maximum discharge, 62,100 ft^3/s (1,760 m^3/s) Mar. 25, 1973, gage height, 20.19 ft (6.154 m); minimum, 188 ft^3/s (5.32 m^3/s) Oct. 18, 1956.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	429	348	1,570	825	1,290	575	641	470	404	340	342	397
2	433	336	885	704	2,540	559	601	450	1,240	337	483	479
3	429	323	717	1,170	6,770	544	1,090	439	712	334	435	608
4	397	429	659	3,720	4,190	530	1,490	439	577	334	631	550
5	363	5,460	690	2,460	1,500	517	835	479	505	337	401	505
6	351	2,090	641	1,440	1,050	506	599	450	458	340	340	391
7	342	762	582	1,210	3,740	495	533	427	439	348	334	360
8	336	587	524	1,470	8,540	484	502	404	423	366	369	416
9	336	1,210	488	1,150	5,840	476	480	391	412	378	363	1,300
10	375	1,070	465	880	1,700	473	459	388	443	404	334	940
11	363	735	445	1,440	1,110	469	446	394	454	375	324	505
12	372	668	437	5,200	912	591	1,520	397	420	348	319	420
13	345	515	429	4,880	802	776	5,880	385	443	337	319	385
14	345	457	422	2,720	735	601	15,900	369	667	337	332	363
15	342	425	422	1,210	740	529	15,700	360	514	342	334	348
16	348	408	415	930	1,550	496	8,900	357	435	439	326	404
17	348	394	401	790	1,460	479	3,140	351	408	401	324	372
18	339	384	390	726	995	463	1,310	348	391	375	332	342
19	328	375	418	1,050	968	457	965	375	420	340	326	329
20	323	375	850	5,110	1,040	453	805	348	404	342	319	321
21	318	810	815	6,700	821	481	703	394	375	357	313	316
22	315	1,180	698	4,340	2,110	522	635	7,580	369	342	311	308
23	313	726	555	1,880	1,780	490	586	5,640	381	351	306	303
24	310	591	515	4,050	1,080	475	564	1,010	420	337	301	301
25	310	920	3,670	6,500	790	471	527	672	381	375	303	303
26	308	2,350	7,670	6,250	680	501	509	573	360	527	360	334
27	308	1,470	8,410	4,650	624	1,720	487	564	351	416	523	332
28	305	4,360	6,220	4,110	594	2,910	479	500	348	360	658	316
29	300	8,050	2,280	7,180	------	1,980	462	462	345	342	500	308
30	300	4,460	1,120	6,310	------	1,030	466	435	342	329	431	303
31	320	------	915	2,910	------	758	------	408	------	340	385	------
TOTAL	10,651	42,268	44,710	94,085	55,961	21,811	67,214	26,259	13,841	11,230	11,678	12,859
MEAN	344	1,409	1,442	3,035	1,999	704	2,240	847	461	362	377	429
MAX	433	8,050	8,410	7,180	8,540	2,910	15,900	7,580	1,240	527	658	1,300
MIN	300	323	390	704	594	453	446	348	342	329	301	301
CFSM	.59	2.43	2.49	5.23	3.45	1.21	3.86	1.46	.79	.62	.65	.74
IN.	.68	2.71	2.87	6.03	3.59	1.40	4.31	1.68	.89	.72	.75	.82

CAL YR 1973 TOTAL 526,054 MEAN 1,441 MAX 31,300 MIN 300 CFSM 2.48 IN 33.74
WTR YR 1974 TOTAL 412,567 MEAN 1,130 MAX 15,900 MIN 300 CFSM 1.95 IN 26.46

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-05	1415	11.36	6,430	01-30	0045	12.22	7,490
11-29	1230	13.22	8,810	02-03	2045	12.13	7,370
12-27	0200	13.21	8,790	02-08	1815	13.79	9,660
01-13	0130	10.79	5,750	04-14	1830	17.13	22,400
01-21	0300	11.88	7,060	05-22	2200	15.30	12,800
01-25	2400	11.77	6,920				

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1974

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Hatchie River basin				
07029250	Hatchie River near Ripley, Miss.	Lat 34°43'15", long 88°46'01", in W½ sec.22, T.4 S., R.5 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 10.5 miles (16.9 km) east of Ripley.	-	1953, 1955-57, 1960, 1972, 1974	10-30-73	16.4
07029260	Little Hatchie River near Ripley, Miss. (formerly West Branch Hatchie River)	Lat 34°45'05", long 88°50'01", in N½ sec.12, T.4 S., R.4 E., Chickasaw meridian, Tippah County, at county road bridge 6.5 miles (10.4 km) east of Ripley and 10.5 miles (16.9 km) above mouth.	-	1953, 1955-57, 1959, 1974	10-30-73	16.4
07029270	Hatchie River near Walnut, Miss.	Lat 34°56'37", long 88°47'08", in NW¼ sec.4, T.2 S., R.5 E., Chickasaw meridain, Alcorn County, at bridge on U.S. Highway 72, 6.5 miles (10.4 km) east of Walnut.	270	1947-59a 1959-60, 1974	10-29-73	141
07029415	Muddy Creek at Walnut, Miss.	Lat 34°57'10", long 88°52'40", on line between secs.33 and 34, T.1 S., R.4 E., Chickasaw meridian, Tippah County, at bridge on U.S. Highway 72, 1 mile (1.6 km) east of Walnut.	-	1955-57, 1959-60, 1972, 1974	10-29-73	8.60
		Wolf River basin				
07030380	Grays Creek near Springhill, Miss.	Lat 34°56'48", long 89°16'22", on line between secs.35 and 2 on line between T.1 S., and T.2 S., Chickasaw meridian, Benton County, at bridge on U.S. Highway 72, 3.5 miles (5.6 km) northwest of Springhill.	22.6	1953, 1955-57, 1959, 1974	10-26-73	10.0
07030390	Grays Creek near Michigan City, Miss.	Lat 34°58'00", long 89°16'27", in SW¼ (corrected) sec.26, T.1 S., R.1 W., Chickasaw meridian, Benton County, at bridge on State Highway 7, 1.2 miles (1.9 km) southwest of Michigan City.	-	1955-57, 1959-60, 1974	10-26-73	14.9
		Yazoo River basin				
07269500	Tippah Drainage Canal near Blue Mountain, Miss.	Lat 34°41'26", long 89°00'00", in SW¼ sec.33, T.4 S., R.3 E., Chickasaw meridian, Tippah County, at bridge 2.2 miles (3.5 km) north of Blue Mountain, and 3.5 miles (5.6 km) southwest of Ripley on State Highway 15.	18.4	1939, 1953, 1955-57, 1959-61, 1974	10-30-73	6.09

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
07269700	Yellow Rabbit Creek near Ashland, Miss.	Lat 34°45'22", long 89°08'50", in N½ sec.12, T.4 S., R.1 E., Chickasaw meridian, Benton County, at bridge on State Highway 4, 0.5 mile (0.8 km) upstream from mouth, and 5 miles (8 km) south of Ashland.	b11	1953, 1955-57, 1959, 1961, 1974	10-30-73	9.48
07269880	Tippah Creek near Potts Camp, Miss.	Lat 34°39'38", long 89°18'52", in SE¼ sec.9, T.5 S., R.1 W., Chickasaw meridian, Marshall County, at bridge on U.S. Highway 78, 1.2 miles (1.9 km) northwest of Potts Camp.	-	1955-56, 1958-59, 1974	10-25-73	112
07270520	Big Spring Creek near Holly Spring, Miss.	Lat 34°42'40", long 89°23'35", in NE¼ sec.27, T.4 S., R.2 W., Chickasaw meridian, Marshall County, 5 miles (8 km) southeast of Holly Springs.	-	1972, 1974	10-25-73	5.94
07270600	Little Spring Creek at Malone, Miss.	Lat 34°34'32", long 89°28'30", in E½ sec.11, T.6 S., R.3 W., Chickasaw meridian, Marshall County, at bridge 300 ft (91 m) east of State Highway 7 at Malone.	-	1955-56, 1959, 1972, 1974	10-24-73	46.3

a Records in files of Corps of Engineers, Memphis district.
b Approximately.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1974

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin					
02430500	Tombigbee River near Marietta, Miss.	Lat 34°26', long 88°25', in SE¼ sec.35, T.7 S., R.8 E., Chickasaw meridian, Itawamba County at bridge on county highway, half a mile downstream from confluence of Browns Creek Canal and Mackeys Creek, 3 miles upstream from Donovan Creek Canal, and 6 miles southeast of Marietta.	307	1937-50‡, 1968-74	1-11-74	11.84	18,000
02432900	Red Boot Creek near Fulton, Miss.	Lat 34°19'10", long 88°19'30", in NE¼SE¼NW¼ sec.11, T.9 S., R.9 E., Chickasaw meridian, Itawamba County, at culvert on State Highway 25, 4.4 miles north of junction of State Highway 25 and U.S. Highway 78 near Fulton. Prior to Oct. 1, 1964, at datum 12.24 ft lower.	.13	1955-74	1-24-74	5.61	88
02434000	Town Creek at Tupelo, Miss.	Lat 34°17'40", long 88°42'35", in SW¼SE¼ sec.18, T.9 S., R.6 E., Chickasaw meridian, Lee County, on U.S. Highway 45, 0.5 mile north of city limits of Tupelo. Prior to 1971 at datum 0.4 ft higher.	110	1944-46‡, 1952-70‡, 1971-74	1-11-74	21.35	6,190
02434500	Buclautubba Creek at Saltillo, Miss.	Lat 34°22'20", long 88°42'00", in SW¼NW¼ sec.20, T.8 S., R.6 E., Chickasaw meridian, Lee County, at bridge on U.S. Highway 45 at Saltillo, 0.2 mile below Flat Creek, and 2.2 miles above mouth.	19.2	1952-67‡, 1968-74	11-27-73	12.92	2,410
02435300	Cow Pike Pass near Tupelo, Miss.	Lat 34°16'00", long 88°37'10", in SW¼SE¼SE¼ sec.25, T.9 S., R.6 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 5.5 miles east of Tupelo. Prior to Oct. 1, 1964, at datum 2.81 ft lower.	.14	1955-74	11-26-73	5.10	95
02435400	Clear Branch near Tupelo, Miss.	Lat 34°15'30", long 88°39'50", in SW¼SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw meridian, Lee County, at culvert on U.S. Highway 78, 1.3 miles east of Tupelo.	.75	1955-74	11-26-73	4.74	119
02435800	Coonewah Creek at Shannon, Miss.	Lat 34°08'15", long 88°43'12", in SE¼ sec.12, T.11 S., R.5 E., Chickasaw meridian, Lee County, on U.S. Highway 45, 1 mile north of Shannon and 4.5 miles upstream from mouth.	53.0	1953-74	11-27-73	16.48	3,150
02435920	Cotton Gin Branch near Tupelo, Miss.	Lat 34°14'10", long 88°50'20", in SE¼SW¼SW¼ sec.1, T.10 S., R.4 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 7.5 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 12.74 ft lower.	.30	1955-74	1-22-74	4.24	123
02435930	Shell Creek near Tupelo, Miss.	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw meridian, Lee County, at culvert on State Highway 6, 6.6 miles west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft lower.	.20	1955-74	1-22-74	4.33	74
02436000	Chiwapa Creek at Shannon, Miss.	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw meridian, Lee County, at bridge on U.S. Highway 45N at Shannon, and 0.7 mile above Gulf, Mobile and Ohio Railroad bridge.	144	1952-67‡, 1968-74	1-25-74	9.65	13,400
02437300	Mattubby Creek near Aberdeen, Miss.	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 miles above Wolf River, and 4 miles northwest of Aberdeen.	92.0	1937, 1952-74	11-27-73	93.90	(†)
02437550	Nichols Creek tributary near Quincy, Miss.	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mile southeast of Quincy.	.54	1967-74	11-26-73	4.62	125

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin--Continued					
02437600	James Creek at Aberdeen, Miss.	Lat 38°48'45", long 88°34'00", in SW¼SE¼ sec.33, T.14 S., R.7 E., Chickasaw meridian, Monroe County, at bridge on State Highway 25, 0.4 mile southwest of Aberdeen.	28.9	1964-68‡, 1969-74	11-27-73	13.75	2,280
02439800	Cowbell Creek near Houlka, Miss.	Lat 34°04'10", long 89°00'20", in NW¼SE¼NE¼ sec.5, T.12 S., R.3 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 15, 1.75 miles north of Houlka. Prior to Oct. 1, 1964, at datum 1.61 ft lower.	.46	1955-74	12-25-73	5.97	228
02439980	Chuquatonchee Creek near Okolona, Miss.	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw meridian, Chickasaw County, at bridge on State Highway 32, 7.5 miles west of Okolona.	68.5	1963-68‡, 1969-74	11-27-73	(g)	(†)
02440000	Chuquatonchee Creek near Egypt, Miss.	Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw meridian, Chickasaw County, at bridge on State Highway 8, 4.5 miles southwest of Egypt.	170	1952-73‡, 1974	11-27-73	13.61	9,580
02440020	Chuquatonchee Creek tributary near Trebloc, Miss.	Lat 33°50'25", long 88°48'20", on line between SW¼ sec.20 and NW¼ sec.29, T.14 S., R.5 E., Chickasaw meridian, Chickasaw County, at culvert on State Highway 8, 1.5 miles east of Trebloc.	.72	1967-74	11-27-73	7.98	405
02440400	Houlka Creek near McCondy, Miss.	Lat 33°47'05", long 88°51'15", in SE¼SW¼ sec.11, T.15 S., R.4 E., Chickasaw meridian, Clay County, at bridge on State Highway 47, 2.8 miles south of McCondy.	185	1963-68‡, 1969-74	11-28-73	15.03	11,200
02440500	Chuquatonchee Creek near West Point, Miss.	Lat 33°36'25", long 88°42'30", on line between secs.7 and 18, T.17 S., R.6 E., Chickasaw meridian, Clay County, at bridge on State Highway 50, 3 miles west of West Point.	514	1944-73‡, 1974	11-29-73	19.20	17,000
02440600	Line Creek near Maben Miss.	Lat 33°39', long 89°04', in S½ sec.26, T.16 S., R.2 E., Chickasaw meridian, Webster County, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7 miles north of Maben.	6.5	1952-74	11-27-73	21.77	3,230
02440800	Trim Cane Creek near Starkville, Miss.	Lat 33°28', long 88°55', in W½ sec.35, T.19 N., R.13 E., Choctaw meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3 miles above Biba Wila Creek, and 6 miles west of Starkville.	39.6	1952-74	1-11-74	21.56	2,780
02441220	Sand Creek tributary near Mayhew, Miss.	Lat 33°28'40", long 88°43'20", on line between SW¼ sec.27 and NW¼ sec.34, T.19 N., R.15 E., Choctaw meridian, Oktibbeha County, on U.S. Highway 82, 3.7 miles west of Mayhew.	.44	1966-74	1-11-74	5.27	146
02441300	Catalpa Creek at Mayhew, Miss.	Lat 33°28'50", long 88°37'45", in NE¼SW¼ sec. 28, T.19 N., R.16 E., Choctaw meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mile east of Mayhew.	98.2	1963-68‡, 1969-74	4-13-74	17.82	6,340
02443605	Mayo Slough tributary near Columbus, Miss.	Lat 33°28'40", long 88°31'05", on line between SE¼ sec.28 and NE¼ sec.33, T.19 N., R.17 E., Choctaw meridian, Lowndes County, at 8 x 4 foot box culvert on U.S. Highway 82, 5 miles west of Columbus.	.24	1965-74	11-27-73	4.91	134
02443700	Cedar Creek near Brooksville, Miss.	Lat 33°20'00", long 88°32'30", in SW¼ sec.17, T.17 N., R.17 E., Choctaw meridian, Lowndes County, at 10 x 6 foot box culvert on U.S. Highway 45, 7.5 miles north of Brooksville.	.49	1965-74	11-27-73	6.91	368
02447220	Bogue Fallah Creek tributary near Ackerman, Miss.	Lat 33°20'10", long 89°07'10", in SW¼ sec.14, T.17 N., R.11 E., Choctaw meridian, Choctaw County, on State Highway 12, 4.1 miles northeast of Ackerman.	.34	1966-74	1-11-74	4.20	83

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Mobile River basin--Continued					
02447280	Lawson Branch near Betheden, Miss.	Lat 33°15'40", long 88°56'50", in NW¼NW¼NW¼ sec.11, T.16 N., R.13 E., Choctaw meridian, Winston County, on State Highway 25, 3.4 miles north of Betheden.	1.11	1966-74	1-11-74	5.77	320
02447340	Cypress Creek tributary at Bradley, Miss.	Lat 33°22'20", long 88°59'00", in NE¼NE¼NE¼ sec.1, T.17 N., R.12 E., Choctaw meridian, Oktibbeha County, on State Highway 12, 0.3 mile southwest of Bradley.	.60	1966-74	1-11-74	4.40	57
02448620	Flat Scooba Creek tributary near Scooba, Miss.	Lat 32°50'20", long 88°28'10", in SE¼ sec.32 T.12 N., R.18 E., Choctaw meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mile north of Scooba.	.44	1967-74	4-13-74	6.71	239
02467100	Hamilton Branch near DeKalb, Miss.	Lat 32°47'30", long 88°35'40", in NE¼ sec.19, T.11 N., R.17 E., Choctaw meridian, Kemper County, at 16 x 6 foot culvert on State Highway 16, 4.2 miles northeast of DeKalb.	.97	1965-74	4-13-74	7.58	662
02469672	Little Okatuppa Creek near Quitman, Miss.	Lat 32°05'00", long 88°27'10", in NW¼SE¼SE¼ sec.21, T.3 N., R.18 E., Choctaw meridian, Clarke County, on State Highway 18, 17.6 miles east of Quitman.	4.35	1966-74	8-13-74	6.32	800
		Pascagoula River basin					
02471100	Leaf River near Raleigh, Miss.	Lat 32°00'47", long 89°25'58", in SE¼SE¼NW¼ sec.13, T.2 N., R.8 E., Choctaw meridian Smith County, at bridge on State Highway 18, 6 miles east of Raleigh.	143	1940-43, 1957-74	4-13-74	303.11	17,000
02471250	Leaf River at Taylorsville, Miss.	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens meridian, Smith County, on State Highway 28, 1 mile east of Taylorsville.	466	1968-74	4-14-74	257.44	31,600
02471500	Oakohay Creek at Mize, Miss.	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens meridian, Smith County, on State Highway 28, at Mize.	171	1943-49‡, 1968-74	4-13-74	17.26	28,900
02472160	Big Creek tributary near Laurel, Miss.	Lat 31°41'20", long 89°19'35", in NE¼SW¼ sec.5, T.8 N., R.13 W., St. Stephens meridian, Jones County, on U.S. Highway 84, 11.4 miles west of Laurel.	.17*	1966-74	12-25-73	5.66	158
02472420	Bowie Creek near Sanford, Miss.	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens meridian, Covington County, at bridge on State Highway 589, 5.0 miles southwest of junction with U.S. Highway 49.	262	1968-74	4-13-74	222.22	(†)
02472700	Okatoma Creek tributary at Mt. Olive, Miss.	Lat 31°46', long 89°38', in NE¼ sec.7, T.9 N., R.16 W., St. Stephens meridian, Covington County, at double 6 x 4 foot box culvert on State Highway 532, 0.3 mile east of Mt. Olive.	.33	1965-74	4-13-74	6.21	318
02472810	Okatoma Creek tributary No. 2 near Collins, Miss.	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens meridian, Covington County, at culvert on U.S. Highway 49, 1.6 miles south of Collins.	.21	1967-74	5-22-74	7.00	206
02473047	Gordon Creek at Broad Street at Hattiesburg, Miss.	Lat 31°19'42", long 89°18'14", in NW¼NE¼ sec.9, T.4 N., R.13 W., St. Stephens meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-74	4-13-74	158.88	2,710
02473460	Tallahala Creek at Waldrup, Miss.	Lat 31°57'30", long 89°06'50", in SW¼ sec.31, T.2 N., R.12 E., Choctaw meridian, Jasper County, at bridge on State Highway 528, 0.8 mile west of Waldrup.	100	1969-74	4-13-74	313.18	17,900

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pascagoula River basin--Continued					
02473480	Tallahattah Creek near Waldrup, Miss.	Lat 31°51'40", long 89°05'10", in NW¼SE¼ sec.3, T.10 N., R.11 W., St. Stephens meridian, Jasper County, on paved county road, 8.7 miles south of Waldrup.	30.7	1965-70‡, 1971-74	4-13-74	18.14	(†)
02473850	Tallahoma Creek tributary at Lake Como, Miss.	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, and NE¼ sec.6, T.2 N., R.11 E., Choctaw meridian, Jasper County, at culvert on State Highway 528, 0.5 mile east of Lake Como.	3.21	1966-74	4-12-74	9.34	1,780
02474650	Buck Creek near Runnelstown, Miss.	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens meridian, Perry County, at bridge on State Highway 42, 2.5 miles above mouth, and 3.7 miles east of Runnelstown.	19.1	1951-74	4-13-74	87.02	(†)
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25", in SW¼NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 57, 4.2 miles east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower.	.65	1955-74	4-13-74	6.86	281
02475220	Little Rock Creek tributary near Little Rock, Miss.	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw meridian, Newton County, at 6 x 5 foot box culvert on State Highway 494, 1.2 miles southeast of Little Rock.	.22	1965-74	4-13-74	4.29	72
02477050	Souinlovey Creek near Baxter, Miss.	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw meridian, Jasper County, at 10 x 8 foot box culvert on State Highway 15, 2.6 miles north of Baxter.	1.14	1965-74	4-12-74	10.13	678
02477090	Powers Creek near Rose Hill, Miss.	Lat 32°07', long 88°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw meridian, Jasper County, at double 5 x 5 foot culvert on State Highway 18, 3.0 miles southwest of Rose Hill.	.45	1965-74	4-12-74	6.73	319
02477330	Shubuta Creek near Shubuta, Miss.	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw meridian, Clarke County, at county highway, 1.5 miles northwest of Shubuta, and 5 miles above mouth.	95	1963-74	4-25-73 12-25-73	19.39 22.03	4,650 8,540
02478600	Granny Branch at Piave, Miss.	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens meridian, Greene County, at culvert on State Highway 63, 0.3 mile southwest of Piave.	.69	1967-74	8-13-74	5.69	225
02479094	Blown Pine Creek near Hattiesburg, Miss.	Lat 31°18'10", long 89°31'00", on line between SW¼ sec.16 and NW¼ sec.21, T.4 N., R.15 W., St. Stephens meridian, Lamar County, at culvert on U.S. Highway 98, 11.3 miles west of intersection of U.S. Highway 49 and 98 in Hattiesburg.	1.60	1967-74	12-25-73	6.40	574
02479138	Walls Creek tributary near Brooklyn, Miss.	Lat 31°06'15", long 89°13'05", in NW¼NE¼SE¼ sec.29, T.2 N., R.12 W., St. Stephens meridian, Forrest County, on U.S. Highway 49, 3.4 miles northwest of Brooklyn.	.37	1966-74	4-13-74	10.39	490
02479165	Mosquito Branch at Benndale, Miss.	Lat 30°51'40", long 88°49'30", in SW¼NE¼ sec. 19, T.2 S., R.8 W., St. Stephens meridian, George County, at State Highway 26, 1.0 mile west of Benndale. Prior to Oct. 1, 1964, at datum 0.99 ft higher.	.22	1955-74	12-26-73	3.73	55
02479187	Red Creek tributary near Wiggins, Miss.	Lat 30°50'55", long 89°13'40", in SW¼NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens meridian, Stone County, on State Highway 26, 5.3 miles west of Wiggins.	.22	1966-74	4-13-74	5.22	113
02479260	Bluff Creek tributary near Whites Crossing, Miss.	Lat 30°51'10", long 88°57'30", in NE¼SW¼SE¼ sec.23, T.2 S., R.10 W., St. Stephens meridian, Stone County, on State Highway 26, 5.0 miles east of Whites Crossing.	.82	1966-74	11- 5-73	7.44	846

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pascagoula River basin--Continued					
02480150	Franklin Creek near Grand Bay, Ala.	Lat 30°28'10", long 88°25'10", in NW¼ sec.4, T.7 S., R.4 W., St. Stephens meridian, Mobile County, at bridge on county highway, 0.9 mile east of Miss.-Ala. State line, 2.6 miles west of Grand Bay, Ala., and 3.1 miles upstream from mouth.	16.4	1959-74	2- 7-74	15.29	945
		Tchoutacabouffa River basin					
02480500	Tuxachanie Creek near Biloxi, Miss.	Lat 30°31'35", long 88°54'40", in SE¼NW¼ sec. 20, T.6 S., R.9 W., St. Stephens meridian, Harrison County, at bridge on State Highway 15, 7 miles north of city limits of Biloxi.	92.3	1944-52, 1952-71‡, 1972-74	9-13-73 2- 7-74	20.66 14.47	13,600 3,980
		Biloxi River basin					
02481130	Biloxi River near Lyman, Miss.	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec. 25, T.6 S., R.11 W., St. Stephens meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 miles downstream from Little Biloxi River, 4.6 miles east of Lyman.	250.74	1965-74		17.53	8,410
		Wolf River basin					
02481505	Mill Creek tributary near Lizana, Miss.	Lat 30°35'50", long 89°19'10", in NW¼ sec.20, T.5 S., R.13 W., St. Stephens meridian, Harrison County, at culvert on State Highway 53, 6.4 miles northwest of Lizana.	2.29	1967-74	4-13-74	6.97	860
		Pearl River basin					
02481900	Coonshuck Creek tributary near House, Miss.	Lat 32°39', long 89°01', in NW¼ sec.12, T.9 N., R.12 E., Choctaw meridian, Neshoba County, at a double 5 x 4 foot box culvert on State Highway 19, 2.3 miles northwest of House, and 9.3 miles southeast of Philadelphia.	0.20	1965-74	4-13-74	4.50	124
02482100	Indian Branch near Edinburg, Miss.	Lat 32°46'50", long 89°25'30", in NW¼NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw meridian, Leake County, on State Highway 16, 5.4 miles west of Edinburg.	1.92	1966-74	12-25-73	5.07	678
02482310	Lobutcha Creek tributary at Wamba, Miss.	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw meridian, Attala County, at 10 x 10 foot box culvert on State Highway 19, 0.3 mile west of Wamba.	.94	1965-74	12-25-73	7.13	425
02482900	Tallabogue Creek tributary near Harperville, Miss.	Lat 32°32'00", long 89°28'40", in SW¼SE¼ sec.16, T.8 N., R.8 E., Choctaw meridian, Scott County, on State Highway 35, 2.8 miles north of Harperville.	.12	1966-74	4-12-74	5.23	87
02483890	Yockanookany River tributary near McCool, Miss.	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw meridian, Attala County, at double 6 x 4 foot box culvert on State Highway 12, 4 miles southwest of McCool.	.34	1965-74	8-13-74	4.06	139
02484750	Red Cane Creek tributary near Pisgah, Miss.	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 54-inch circular pipe on State Highway 43, 4.1 miles east of Pisgah.	.10	1965-74	12-25-73	6.10	103
02485380	Hollybush Creek tributary No. 1 near Pisgah, Miss.	Lat 32°26'00", long 89°48'50", in NW¼ sec.20 T.7 N., R.5 E., Choctaw meridian, Rankin County, at 8 x 6 foot box culvert on State Highway 43, 7.2 miles southeast of Pisgah.	.59	1965-74	12-25-73	6.75	330
02485385	Hollybush Creek tributary No. 2 near Pisgah, Miss.	Lat 32°25'40", long 89°48'55", in SW¼ sec.20, T.7 N., R.5 E., Choctaw meridian, Rankin County, at 8 x 4 foot box culvert on State Highway 43, 7.6 miles southeast of Pisgah.	.25	1965-74	12-25-73	5.36	175

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pearl River basin--Continued					
02485392	Clear Creek tributary near Pelahatchie, Miss.	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw meridian, Rankin County, at 60-inch circular culvert on State Highway 43, 3.3 miles north of intersection on Highways 80 and 43 in Pelahatchie.	0.12	1965-74	11-20-73	4.47	52
02485650	Purple Creek at Jackson, Miss.	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw meridian, Hinds County, at Colonial Country Club, 600 ft above old Canton Road bridge, and 1.5 miles above mouth.	5.85	1952-74	1-24-74	96.26	1,350
02485700	Hanging Moss Creek at Jackson, Miss.	Lat 32°22'00", long 90°09'00", in NE¼ sec.13, T.6 N., R.1 E., Choctaw meridian, Hinds County, at bridge on east service road of Interstate 55 (formerly U.S. Highway 51), 1 mile above Whiteoak Creek, and 2 miles above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft lower.	16	1953-74	1-24-74	18.55	3,000
02485800	Eubanks Creek at Jackson, Miss.	Lat 32°20'15", long 90°09'40", in NE¼NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1600 ft upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 miles upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft downstream at datum 0.74 ft lower.	4.0	1954-74	8-30-74	13.18	1,700
02485900	Neely Creek near Brandon, Miss.	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw meridian, Rankin County, at double 8 x 6 foot box culvert on New Airport Road, 5.4 miles west of Brandon.	1.09	1965-74	12-25-73	4.48	304
02486050	Town Creek at Jackson, Miss.	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec. 3, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on Gallatin St. in Jackson, 300 ft above Illinois Central Railroad.	11.7	1953-74	1-25-74	11.45	2,420
02486100	Lynch Creek at Jackson, Miss.	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw meridian, Hinds County, at bridge on Valley St. in Jackson, 2,000 ft below U.S. Highway 80, and 2.0 miles above mouth. Prior to Oct. 1, 1958, at site 2,000 ft upstream.	11.1	1955-74	1-25-74	14.95	4,300
02486115	Three Mile Creek at Jackson, Miss.	Lat 32°16'15", long 90°13'00", in NW¼SE¼ sec. 17, T.5 N., R.1 E., Choctaw meridian, Hinds County, 300 ft downstream from old U.S. Highway 51 (Terry Road), 0.6 mile above Illinois Central Railroad.	1.12	1962-74	8-30-74	281.48	1,700
02486240	Richland Creek tributary near Brandon, Miss.	Lat 32°13'30", long 90°01'10", on line between sec.32, T.5 N., R.3 E. and sec.6, T.4 N., R.3 E., Choctaw meridian, Rankin County, on State Highway 469, 4.6 miles southwest of Brandon.	.12	1966-74	12-25-73	5.67	83
02487300	Strong River near Puckett, Miss.	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw meridian, Rankin County, at State Highway 18, 2 miles southeast of Puckett.	--	1958-74	4-13-74	26.78	18,000
02487500	Strong River at D'Lo, Miss.	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw meridian, on left bank at downstream side of old U.S. Highway 49, 0.2 mile south of D'Lo.	429	1928-71‡, 1972-74	4-14-74	32.75	24,000
02487670	Boggans ditch near Mendenhall, Miss.	Lat 31°53'10", long 89°53'20", in NE¼NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw meridian, Simpson County, at culvert on State Highway 13, 5.5 miles south of Mendenhall. Prior to Oct. 1, 1964, at datum 1.27 ft higher.	.91	1955-74	2-15-74	4.39	188

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pearl River basin--Continued					
02487690	Baking Powder Draw near Prentiss, Miss.	Lat 31°50'20", long 89°53'00", in SE¼NE¼NW¼ sec.14, T.10 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 4.9 miles north of Jefferson Davis-Simpson County line, and 16.0 miles north of Prentiss. Prior to Oct. 1, 1964, at datum 1.37 ft higher.	0.82	1955-74	4-12-74	3.23	14
02487710	Barretts Branch near Pinola, Miss.	Lat 31°52'50", long 90°02'40", in NE¼NE¼SE¼ sec.36, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 0.79 ft lower.	.88	1955, 1957-74	4-12-74	8.50	575
02487770	Bradleys ditch near Pinola, Miss.	Lat 31°52'50", long 90°05'30", in NW¼NW¼SW¼ sec.34, T.1 N., R.2 E., Choctaw meridian, Simpson County, at culvert on State Highway 28, 8.5 miles west of Pinola. Prior to Oct. 1, 1964, at datum 1.09 ft higher.	.54	1955-74	4-12-74	7.47	440
02487900	Copiah Creek near Hazlehurst, Miss.	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw meridian, Copiah County, at bridge on State Highway 28, 6.2 miles east of Hazlehurst.	48.6	1948-65, 1966-68‡, 1969-74	4-13-74	22.24	14,200
02488340	Small Pine ditch near Monticello, Miss.	Lat 31°32'50", long 90°15'40", in SW¼SW¼NW¼ sec.25, T.7 N., R.9 E., Washington meridian, Lawrence County, at culvert on U.S. Highway 84, 9 miles west of Monticello. Prior to Oct. 1, 1964, at datum 0.84 ft higher.	.16	1955-74	4-13-74	6.56	175
02488510	Roadside Park ditch near Monticello, Miss.	Lat 31°34'30", long 90°03'20", in SW¼SE¼NW¼ sec.18, T.7 N., R.12 E., St. Stephens meridian, Lawrence County, at culvert on U.S. Highway 84, 3.0 miles east of Monticello. Prior to Oct. 1, 1964, at datum 0.86 ft higher.	.25	1955-74	4-12-74	7.06	289
02488540	Newhebron Gulley at Newhebron, Miss.	Lat 31°44', long 90°00', in NW¼SW¼SE¼ sec.22, T.9 N., R.20 W., St. Stephens meridian, Lawrence County, at 16 x 10 foot box culvert on paved county highway, 0.9 mile west of Newhebron.	2.50	1965-74	4-12-74	17.05	2,650
02488550	Goines Draw near Prentiss, Miss.	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens meridian, Simpson County, at culvert on State Highway 13, 12.2 miles north of Prentiss.	.34	1955-74	4-12-74	9.10	610
02488680	Plum ditch near Prentiss, Miss.	Lat 31°35'20", long 89°56'40", on line between NE¼ and SE¼ sec.7, T.7 N., R.19 W., St. Stephens meridian, Jefferson Davis County, at culvert on U.S. Highway 84, 4.2 miles west of Prentiss.	.23	1955-74	8- 7-74	3.88	45
02489030	Elmers Draw near Columbia, Miss.	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington meridian, Marion County, at U.S. Highway 98, 5.7 miles west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher.	.91	1955-74	12-25-73	7.97	447
02489160	Kokomo Draw at Kokomo, Miss.	Lat 31°11'30", long 90°00'00", in SW¼SE¼SW¼ sec.28, T.3 N., R.12 E., Washington meridian, Marion County, at culvert on U.S. Highway 98, at Kokomo. Prior to Oct. 1, 1964, at datum 1.20 ft higher.	1.26	1955-74	8- 1-74	5.50	409
02490550	Middle Fork Hickory Flat near Tylertown, Miss.	Lat 31°10', long 90°13', on line between secs. 5 and 8, T.2 N., R.10 E., Washington meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mile above Fernwood, Columbia, and Gulf Railroad, and 5.5 miles northwest of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft lower.	1.37	1953-74	1-19-74	5.47	364

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pearl River basin--Continued					
02492360	West Hobolochitto Creek near McNeill, Miss.	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec. 34, T.4 S., R.17 W., St. Stephens meridian, Pearl River County, at bridge on county road, 3.1 miles west of McNeill.	175	1966-68‡, 1969-74	12-25-73	21.32	9,130
		Hatchie River basin					
07029252	Pool Branch near Ripley, Miss.	Lat 34°42'50", long 88°47'20", in NW¼NW¼ sec. 28, T.4 S., R.5 E., Chickasaw meridian, Tippah County, on State Highway 4, 10.1 miles east of Ripley.	1.24	1966-74	11-27-73	5.74	350
		Wolf River basin					
07030365	Wesley Branch near Walnut, Miss.	Lat 34°57'00", long 89°05'20", in SE¼ sec.33, T.1 S., R.2 E., Chickasaw meridian, Benton County, on U.S. Highway 72, 10.5 miles west of Walnut.	2.17	1966-74	11-27-73	4.70	300
		Yazoo River basin					
07267000	Hell Creek near New Albany, Miss.	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw meridian, Union County at bridge on U.S. Highway 78, 3 miles northwest of New Albany, and 4.5 miles above mouth.	27.3	1939-42‡, 1952-74	11-27-73	13.41	2,950
07267200	Cracker ditch near Pontotoc, Miss.	Lat 34°17'30", long 89°11'40", in SE¼NW¼NW¼ sec.22, T.9 S., R.1 E., Chickasaw meridian, Pontotoc County, at culvert on State Highway 6, 11 miles west of Pontotoc. Prior to Oct. 1, 1964, at datum 11.43 ft lower.	.23	1955-74	10- 8-73	5.25	110
07268500	Cypress Creek near Etta, Miss.	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 30, 4.5 miles southwest of Etta, and 5 miles above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher.	28.5	1939-42‡, 1952-74	1974		(†)
07269000	North Tippah Creek near Ripley, Miss.	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 2 miles upstream from Tippah Creek, and 5.5 miles west of Ripley.	20.0	1939-42‡, 1952-74	11-27-73	20.22	5,340
07274250	Otoucalofa Creek at Water Valley, Miss. (Prior to Oct. 1, 1972, published as Otuckalofa Creek.)	Lat 34°08'25", long 89°38'17", in SW¼NE¼ sec. 8, T.11 S., R.4 W., Chickasaw meridian, Yalobusha County, at bridge on State Highway 7, 0.9 miles south of Water Valley, and 5.2 miles above mouth.	84.1	1952-74	1-11-74	24.06	4,500
07275500	Long Creek near Courtland, Miss.	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw meridian, Panola County, at bridge on U.S. Highway 51, 1 mile south of Courtland, 5.5 miles above mouth, and 6 miles south of Batesville.	66.2	1940-43‡, 1952-74	5-15-74	18.04	9,010
07275900	Coldwater River near Olive Branch, Miss.	Lat 34°54'22", long 89°45'10", in SW¼ sec.17, T.2 S., R.5 W., Chickasaw meridian, De Soto County, at bridge on U.S. Highway 78, 5 miles southeast of Olive Branch.	191	1974	1-10-74	291.43	(†)
07277550	James Wolf Creek tributary near Looxahoma, Miss.	Lat 34°36'45", long 89°50'30", on line between SW¼ sec.28 and NW¼ sec.33, T.5 S., R.6 W., Chickasaw meridian, Tate County, at double 8 x 5 foot box culvert on State Highway 4, 1.2 miles north of Looxahoma, and 7.8 miles east of Senatobia.	.29	1965-74	6- 8-74	5.96	329
07282300	Sabougla Creek tributary at Sabougla, Miss.	Lat 33°46'10", long 89°27'30", in SE¼ sec.16, T.22 N., R.8 E., Choctaw meridian, Calhoun County, at culvert on State Highway 8, 0.5 mile south of Sabougla.	.50	1967-74	7-11-74	7.69	401

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Yazoo River basin--Continued					
07283490	Caney Creek near Coffeeville, Miss.	Lat 33°55'40", long 89°38'20", in SE¼NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at culvert on State Highway 330, 4.2 miles east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft lower.	1.97	1955-74	5-15-74	8.98	1,220
07285100	Tie Plant Branch near Grenada, Miss.	Lat 33°43'40", long 89°47'20", in SE¼NE¼SE¼ sec.32, T.22 N., R.5 E., Choctaw meridian, Grenada County, on U.S. Highway 51, 3.3 miles south of Grenada.	.13	1966-74	6- 7-74	6.23	205
07285700	Long Creek near Cascilla, Miss.	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw meridian, Tallahatchie County, at 16 x 12 foot box culvert on county highway, 1.1 miles east of Cascilla.	1.64	1965-74	5-15-74	11.00	1,440
07286010	Brushy Creek tributary near Oxberry, Miss.	Lat 33°50'45", long 90°03'10", in NE¼ sec.23, T.23 N., R.2 E., Choctaw meridian, Tallahatchie County, at 24 x 12 foot culvert on State Highway 35, 4.5 miles north of Oxberry.	1.49	1965-74	11-27-73	8.31	1,320
07286047	Tippo Bayou tributary at Phillip, Miss.	Lat 33°45'30", long 90°11'30", in NE¼ sec.21, T.22 N., R.1 E., Choctaw meridian, Tallahatchie County, at culvert on State Highway 8, 0.8 mile east of ILlinois Central Railroad in Phillip.	.04	1967-74	6- 8-74	3.94	19
07286520	Big Sand Creek tributary near North Carrollton, Miss.	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw meridian, Carroll County, at 36-inch corrugated pipe on county highway 2.4 miles east of North Carrollton.	.09	1965-74	6- 8-74	5.21	39
07287050	Palusha Creek tributary near Carrollton, Miss.	Lat 33°28', long 89°57', in SE¼ sec.35, T.19 N., R.3 E., Choctaw meridian, Carroll County, at 8 x 6 foot box culvert on State Highway 17, 3.4 miles south of Carrollton.	.43	1965-74	11-27-73	3.39	54
07287165	Mosquito Lake tributary No. 1 at Itta Bena, Miss.	Lat 33°28'55", long 90°19'30", in SE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw meridian, Leflore County, on State Highway 7, 0.5 mile south of compress at Itta Bena.	.11	1966-74	3-19-74	4.69	58
07287170	Mosquito Lake tributary No. 2, at Itta Bena, Miss.	Lat 33°28'45", long 90°19'20", in NE¼NW¼ sec.29, T.19 N., R.1 W., Choctaw meridian, Leflore County, on State Highway 7, 0.8 mile south of compress at Itta Bena.	.13	1966-74	3-19-74	3.87	58
07287350	Fannegusha Creek near Tchula, Miss.	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw meridian, Holmes County, on State Highway 12, 3 miles east of Tchula.	100	1953-65h, 1968-74	11-27-73	158.73	16,000
07287505	Broad Lake tributary No. 1 near Yazoo City, Miss.	Lat 32°52'50", long 90°29'40", in SE¼SW¼ sec. 15, T.12 N., R.3 W., Choctaw meridian, Yazoo County, on U.S. Highway 49W, 3.6 miles northwest of Yazoo River bridge near Yazoo City.	.11	1966-74	2- 6-74	5.22	24
07288568	Quiver River tributary near Schlater, Miss.	Lat 33°38'30", long 90°24'30", in SE¼ sec.33, T.21 N., R.2 W., Choctaw meridian, Leflore County, at culvert on State Highway 442, 3.4 miles west of Schlater.	.18	1967-74	2-21-74	5.89	40
		Big Black River basin					
07289100	Big Black River tributary near Eupora, Miss.	Lat 33°32'00", long 89°17'40", in SW¼ sec.6, T.19 N., R.10 E., Choctaw meridian, Webster County, at double 12 x 5 foot box culvert on U.S. Highway 82, 1.8 miles southwest of Eupora.	2.29	1965-74	8-13-74	7.32	961

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Big Black River basin--Continued					
07289225	Downing Branch near French Camp, Miss.	Lat 33°19', long 89°25', in SW¼ sec.24, T.17 N., R.8 E., Choctaw meridian, Choctaw County, at 12 x 12 foot box culvert on State Highway 413, 2.0 miles north of French Camp.	1.74	1965-74	1-24-74	7.72	380
07289268	Hays Creek tributary near Vaiden, Miss.	Lat 33°21'20", long 89°48'00", in NW¼NW¼ sec.8, T.17 N., R.5 E., Choctaw meridian, Carroll County, on State Highway 35, 4.3 miles northwest of Highway 51 near Vaiden.	.40	1966-74	4-12-74	8.24	499
07289395	Sharkey Creek tributary near West, Miss.	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw meridian, Attala County, at culvert on State Highway 19, 4.7 miles southeast of West.	.30	1967-74	4-12-74	6.14	122
07289470	Tacketts Creek tributary near Pickens, Miss.	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw meridian, Holmes County, at 6 x 6 foot box culvert on State Highway 17, 3.6 miles north of Pickens.	.15	1965-74	5-26-74	5.29	114
07289600	Tilda Bogue near Canton, Miss.	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw meridian, Madison County, at bridge on U.S. Highway 51, 3 miles north of Canton, and 3.5 miles above mouth.	24.4	1948-74	1-25-74	18.01	4,250
07289640	Panther Creek near Flora, Miss.	Lat 32°33'57", long 90°10'22", in SW¼ sec.2, T.8 N., R.1 E., Choctaw meridian, Madison County, at 6 x 5 foot box culvert on State Highway 22, 8.0 miles northeast of Flora.	.26	1965-74	11-27-73	6.30	191
07289641	Panther Creek tributary near Flora, Miss.	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw meridian, Madison County, at 5 x 2.2 foot culvert on State Highway 22, 8.3 miles northeast of Flora.	.07	1965-74	11-27-73	6.49	122
07290005	Clear Creek near Bovina, Miss.	Lat 32°21'42", long 90°43'32", in SW¼ sec.17 T.6 N., R.5 W., Choctaw meridian, Warren County, on county road, 1 mile northeast of Bovina.	e36	1953-74	12-24-73	26.98	10,000
		Bayou Pierre basin					
07290220	Dry Draw near Brookhaven, Miss.	Lat 31°38'35", long 90°25'50", in NW¼SW¼SW¼ sec.20, T.8 N., R.8 E., Washington meridian, Lincoln County, on U.S. Highway 51, 4.5 miles north of Brookhaven.	0.20	1966-74	4-13-74	8.10	317
07290525	Whiteoak Creek tributary near Utica, Miss.	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw meridian, Hinds County, at 12 x 12 foot box culvert on State Highway 27, 6.3 miles southeast of Utica.	1.36	1965-74	4-13-74	7.57	590
07290690	Clarks Creek near Pattison, Miss.	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington meridian, Claiborne County, at bridge on county highway, 1.3 miles above mouth, and 2.5 miles east of Pattison.	77.4	1961-62‡, 1963-74	4-12-74	26.18	
07290830	Little Creek near Fayette, Miss.	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington meridian, Jefferson County, at culvert on State Highway 33, 2 miles south of Fayette.	1.71	1967-74	4-12-74	15.45	1,800
07290870	Coles Creek near Fayette, Miss.	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington meridian, Jefferson County, at bridge on county highway, 0.7 mile below confluence of North and South Forks of Coles Creek, and 10 miles northwest of Fayette.	257	1961-62‡, 1963-74	4-12-74	31.96	(†)

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		St. Catherine Creek basin					
07290910	Spanish Bayou at Natchez, Miss.	Lat 31°31'50", long 91°22'25", in sec.46, T.7 N., R.3 W., Washington meridian, Adams County, at culvert on U.S. Highways 84 and 65, at southern city limits of Natchez.	2.59	1967-74	1- 3-74	14.36	1,810
		Homochitto River basin					
07291250	McCall Creek near Lucien, Miss.	Lat 31°30'24", long 90°38'45", in SW¼ sec.6, T.6 N., R.6 E., Washington meridian, Franklin County, at U.S. Highway 84, 0.8 mile east of Lucien.	e60	1953, 1955-74	4-13-74	92.7	
07291260	Beaver Run near McCall Creek, Miss.	Lat 31°30'30", long 90°43'10", in NW¼NE¼NE¼ sec.8, T.6 N., R.5 E., Washington meridian, Franklin County, at culvert on U.S. Highway 84, 1.4 miles west of McCall Creek. Prior to Oct. 1, 1964, at datum 0.56 ft higher.	2.61	1955-74	4-13-74	10.85	1,220
07294400	Observers Draw near Doloroso, Miss.	Lat 31°19'10", long 91°21'20", between secs.10 and 22, T.4 N., R.2 W., Washington meridian, Wilkinson County, at culvert on U.S. Highway 61, 1.3 miles north of Doloroso. Prior to Oct. 1, 1964, at datum 0.80 ft higher.	.22	1954-74	12-24-73	7.17	210
		Thompson Creek basin					
07373550	Moores Branch near Woodville, Miss.	Lat 31°05'20", long 91°14'30", in SE¼SW¼ sec. 32, T.2 N., R.1 W., Washington meridian, Wilkinson County, at State Highway 24, 3.3 miles east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower.	0.21	1955-74	4-13-74	5.35	225
		Mississippi River Delta					
07375235	Tangipahoa River tributary near McComb, Miss.	Lat 31°12'30", long 90°31'40", in NE¼SE¼ sec. 19, T.3 N., R.7 E., Washington meridian, Pike County, on State Highway 24, 4.8 miles southwest of McComb.	2.71	1966-74	4-13-74	8.00	1,000
07376665	Stock Pond Draw near Liberty, Miss.	Lat 31°10'15", long 90°45'20", in NW¼SE¼NE¼ sec.1, T.2 N., R.4 E., Washington meridian, Amite County, on State Highway 24, 3.4 miles east of Liberty.	.38	1966-74	4-13-74	5.16	146
07376760	CRS Draw near Liberty, Miss.	Lat 31°06'50", long 90°54'10", in SW¼NW¼NW¼ sec.32, T.2 N., R.3 E., Washington meridian, Amite County, on State Highway 48, 6.6 miles west of intersection with Highway 24 in Liberty.	.80	1966-74	12-25-73	8.51	536

† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Discontinued as a crest-stage station; established as a continuous-record station 06-07-73.
b Revised.
c Corrected.
d From floodmark.
e Approximately.
f Gage height and discharge measurements in files of Corps of Engineers.
g High-water mark was not obtained.
h Published at site near Howard, 3 miles downstream.
j Unknown, occurred sometime between 04-11-74 and 07-30-74.

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1974

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin				
Mud Creek	Town Creek	Lat 34°18'46", long 88°41'42", in W½ sec.8, T.9 S., R. 6 E., Chickasaw meridian, Lee County, at bridge on county road, 0.5 mile (0.8 km) east of U.S. Highway 45, and 4.5 miles (7.2 km) north of Tupelo, Miss.	-	-	6-26-74	13.5
Mud Creek	Town Creek	Lat 34°15'26", long 88°41'05", in SE¼ sec.32, T.9 S., R.6 E., Chickasaw meridian, Lee County, at steel bridge on U.S. Highway 78, 0.9 mile (1.4 km) east of Tupelo, Miss.	92	1939, 1941, 1943-47	6-26-74	16.6
Sewage disposal ditch No. 1	Town Creek	Lat 34°13'45", long 88°41'24", in SW¼ sec.8, T.10 S., R.6 E., Chickasaw meridian, Lee County, at sewage disposal pond about 1.5 miles (2.4 km) southeast of Tupelo, Miss.	-	-	6-25-74	1.47
Sewage disposal ditch No. 2	Town Creek	Lat 34°13'21", long 88°42'00", in NE¼ sec.8, T.10 S., R.6 E., Chickasaw meridian, Lee County, at sewage disposal pond about 1.7 miles (2.7 km) southeast of Tupelo, Miss.	-	-	6-25-74	1.30
Sewage disposal ditch No. 3	Town Creek	Lat 34°13'10", long 88°41'56", in NE¼ sec.17, T.10 S., R.6 E., Chickasaw meridian, Lee County, at sewage disposal pond about 1.8 miles (2.9 km) southeast of Tupelo, Miss.	-	-	6-25-74	.36
Sewage disposal ditch No. 4	Town Creek	Lat 34°13'04", long 88°42'05", in NE¼ sec.17, T.10 S., R.6 E., Chickasaw meridian, Lee County, at sewage disposal pond about 1.0 mile (1.6 km) east of Tupelo, Miss.	-	-	6-25-74	.47
Town Creek	Tombigbee River	Lat 34°11'53", long 88°40'57", in SW¼ sec.21, T.10 S., R.6 E., Chickasaw meridian, Lee County, at bridge on county road 2.2 miles (3.5 km) east of Verona, Miss.	263	1939-44*, 1944-47†, 1953, 1967, 1972	6-25-74	58.7
Sewage disposal ditch No. 5	Town Creek	Lat 34°12'23", long 88"40'24", in NE¼ sec.21, T.10 S., R.6 E., Chickasaw meridian, Lee County, at sewage lagoon, at county road, 3.0 miles (4.8 km) southeast of Tupelo, Miss.	-	-	6-26-74	.03
Town Creek	Tombigbee River	Lat 34°09'18", long 88°39'40", in NW¼ sec.3, T.11 S., R.6 E., Chickasaw meridian, Lee County, at bridge on county road, 4.0 miles (6.4 km) southeast of Verona, Miss.	-	1972	6-25-74	63.6
Coonewah Creek	Town Creek	Lat 34°07'20", long 88°39'58", on line between secs.15 and 16, T.11 S., R.6 E., Chickasaw meridian, Lee County, at bridge on county road, 3.0 miles (4.8 km) east of Shannon, Miss.	-	-	6-25-74	19.0
Town Creek	Tombigbee River	Lat 34°05'59", long 88°39'05", in NE¼ sec.27, T.11 S., R.6 E., Chickasaw meridian, Lee County, at bridge on U.S. Highways 45 and 278, 3.5 miles (5.6 km) southeast of Shannon, Miss.	-	1972	6-26-74	74.1
Chiwapa Creek	Town Creek	Lat 34°04'47", long 88°39'23", in SE¼ sec.34, T.11 S., R.6 E., Chickasaw meridian, Monroe County, 1.3 miles (2.1 km) west of Nettleton, Miss.	-	-	6-26-74	73.4

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
Sewage disposal ditch No. 1	Town Creek	Lat 34°06'01", long 88°37'34", in NW¼ sec.25, T.11 S., R.7 E., Chickasaw meridian, Lee County, at sewage disposal pond, west of State Highway 6, 0.5 mile (0.8 km) north of Nettleton, Miss.	-	-	6-26-74	0
Sewage disposal ditch No. 2	Town Creek	Lat 34°05'31", long 88°38'14", in SE¼ sec.26, T.11 S., R.6 E., Chickasaw meridian, Lee County, at sewage disposal pond, south of U.S. Highways 45 and 278, 0.3 mile (0.5 km) west of Nettleton, Miss.	-	-	6-26-74	.02
Sewage disposal ditch No. 3	Town Creek	Lat 34°04'16", long 88°37'30", in NW¼ sec.1, T.12 S., R.6 E., Chickasaw meridian, Monroe County, at sewage disposal pond, west of U.S. Highways 45 and 278, 0.5 mile (0.8 km) south of Nettleton, Miss.	-	-	6-26-74	.04
Sewage disposal ditch No. 4	Roberts Branch	Lat 34°05'05", long 88°36'46", in NW¼ sec.31, T.11 S., R.7 E., Chickasaw meridian, Monroe County, at sewage disposal pond, 0.3 mile (0.5 km) southeast of Nettleton, Miss.	-	-	6-26-74	.06
Town Creek	Tombigbee River	Lat 34°01'20", long 88°33'15", in SW¼ sec.22, T.12 S., R.7 E., Chickasaw meridian, Monroe County, at county road south of State Highway 6, 2.0 miles (3.2 km) northwest of Bigbee, Miss.	-	-	6-27-74	152
Town Creek	Tombigbee River	Lat 33°59'23", long 88°32'55", in SW¼ sec.34, T.12 S., R.7 E., Chickasaw meridian, Monroe County, at mouth of Town Creek, 3.5 miles (5.6 km) west of Amory, Miss.	-	1972	6-27-74	166
		Pascagoula River basin				
Okatoma Creek	Bowie Creek	Lat 31°53'10", long 89°41'56", in NE¼NE¼ sec.32, T.1 N., R.6 E., Choctaw meridian, Simpson County, on county road, 2.0 miles (3.2 km) east of Magee, Miss.	-	1971-72	12- 6-71 4-12-74	1,310 †12,100
Okatoma Creek	Bowie Creek	Lat 31°51'55", long 89°41'26", in E½ sec.3, T.10 N., R.17 W., St. Stephens meridian, Simpson County, at bridge on State Highway 28, 2.8 miles (4.5 km) east of Magee, Miss.	b38	1960-62, 1971-73	4-12-74	16,100
Chickasawhay River	Leaf River	Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens meridian, Wayne County, at bridge on U.S. Highway 84, 2 miles (3 km) west of Waynesboro, Miss.	b1,660	1939-50‡ 1957, 1964-66, 1967	4-17-74	†34,100
		Pearl River basin				
Fannegusha Creek	Pearl River	Lat 32°32'48", long 89°50'00", T.8 N., and on line between sec.12, R.4 E and sec.7, R.5 E., Choctaw meridian, Rankin County, on county highway at bridge, 3.5 miles (5.6 km) northeast of Sand Hill, Miss.	72.54		11-15-73	*1.09

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Pearl River basin--Continued						
Pearl River	Gulf of Mexico	Lat 31°14', long 89°51', in E½ sec.7, T.3 N., R.18 W., St. Stephens meridian, Marion County, at bridge on U.S. Highway 98, 1.5 miles (2.4 km) southwest of Columbia, Miss.	b5,690	1928-54‡, 1955, 1958, 1960-64, 1966-67, 1972	4-15-74	†93,900
Bogue Chitto	Pearl River	Lat 31°20', long 90°26', in SE¼ sec.6, T.4 N., R.8 E., Washington meridian, Pike County, at bridge on county road, 1.6 miles (2.6 km) southeast of Johnstons Station, Miss.		1971-73	4-14-74	21,400
Tennessee River basin						
Indian Creek	Tennessee River	Lat 34°53'10", long 88°10'20", in SE¼ sec.19, T.2 S., R.11 E., Chickasaw meridian, Tishomingo County, at county highway 6.0 miles (9.7 km) north of Iuka, Miss.	-	-	8-13-73	c12.0
Sandy Creek	Yellow Creek	Lat 34°59'35", long 88°15'07", in SW¼ sec.16, T.1 S., R.10 E., Chickasaw meridian, Tishomingo County, at bridge on Mississippi Highway 25, 0.2 mile (3.2 km) south of Mississippi-Tennessee State line and 4.5 miles (7.2 km) north of Cross Roads, Miss.	-	-	8-13-73	c3.4
Hatchie River basin						
Hatchie River d/	Mississippi River	Lat 34°43'28", long 88°52'36", in W½ sec.22, T.4 S., R.5 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 10.5 miles (16.9 km) east of Ripley, Miss.	-	1953, 1955-57, 1960, 1966, 1972	11-27-73	5,300
Yazoo River basin						
Jasper Creek (Formerly published as Lukeasper Creek)	Little Tallahatchie River	Lat 34°35'36", long 89°00'34", in NW¼ sec.5, T.6 S., R.3 E., Chickasaw meridian, Union County, at bridge on county road, 0.5 mile (0.8 km) southwest of Cotton Plant, Miss.	11.1	1939‡, 1940	10-20-71 10-30-73	c0.02 .04
North Tippah Creek	Tippah Creek	Lat 34°44', long 89°02', in SW¼ sec. 18, T.4 S., R.3 E., Chickasaw meridian, Tippah County, at bridge on State Highway 4, 2 miles (3 km) upstream from Tippah Creek, and 5.5 miles (8.8 km) west of Ripley.	20.0	1939-42‡, 1952-61e, 1964	10-30-73	*2.16
Bagley Creek	Little Tallahatchie River	Lat 34°30'10", long 89°24'53", in SW¼ sec.4, T.7 S., R.2 W., Chickasaw meridian, Lafayette County, on county road, 5 miles (8 km) east of Abbeville, Miss.	9.96	1940-41‡, 1971	10-24-73	1.83
Hurricane Creek	Sardis Lake	Lat 34°28'58", long 89°35'00", in SE¼ sec.11, T.7 S., R.4 W., Chickasaw meridian, Lafayette County, at bridge on Hurricane Creek, 4.5 miles (7.2 km) north of College Hill, Miss.	26.68	-	10-30-73	*16.2
Blackwater Creek	Sardis Lake	Lat 34°33'00", long 89°36'00", in NE¼ sec.22, T.6 S., R.4 W., Chickasaw meridian, Lafayette County, at bridge on Blackwater Creek at Blackwater, Miss	27.50	-	10-30-73	*21.6
Toby Tubby Creek	Sardis Lake	Lat 34°25'30", long 89°36'56", on line between secs.33 and 34, T.7 S., R.4 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 314, 6.5 miles (10.5 km) northwest of Oxford, Miss.	39.56	-	11-15-73	*22.1

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
Greasy Creek	Sardis Lake	Lat 34°30'30", long 89°45'01", in NW¼ sec.3, T.7 S., R.5 W, Chickasaw meridian, Lafayette County, at bridge on Greasy Creek on light duty road 1.9 miles (3.1 km) southeast of Glenville, Miss.	13.87	-	10-30-73	*2.33
Little Greasy Creek	Greasy Creek	Lat 34°29'15", long 89°43'45", in center of sec.9, T.7 S., R.5 W., Chickasaw meridian, Lafayette County, at bridge where light duty road crosses Little Greasy Creek, 2.9 miles (4.7 km) south of Glenville, Miss.	3.59	-	10-30-73	* .20
Hudson Creek	Clear Creek	Lat 34°21'15", long 89°40'35", in center of S½ sec.25, T.8 S., R.5 W., Chickasaw meridian, Lafayette County, at State Highway 6, at bridge on Hudson Creek, 1 mile (1.6 km) east of Harrisonville School and 9.1 miles (14.6 km) west of Oxford, Miss.	9.16	-	10-31-73	*1.80
Wilborn Creek	Sardis Lake	Lat 34°28'48", long 89°47'42", in NE¼ sec.14, T.7 S., R.6 W., Chickasaw meridian, Panola County, on county road, 8.5 miles (13.7 km) southeast of Como, Miss.	-	-	11-15-73	.02
Coleman Creek	Wilborn Creek	Lat 34°28'50", long 89°47'02", in NW¼ sec.13, T.7 S., R.6 W., Chickasaw meridian, Panola County, on county road, 9.0 miles (14.5 km) southeast of of Como, Miss.	-	-	11-15-73	.05
Wilborn Creek tributary	Wilborn Creek	Lat 34°28'36", long 89°46'32", in NE¼ sec.13, T.7 S., R.6 W., Chickasaw meridian, Panola County, on county road, 9.5 miles (15.3 km) southeast of Como, Miss.	-	-	11-15-73	.01
Yocona River Canal	Enid Lake	Lat 34°12'15", long 89°40'45", in NW¼ sec.24, T.10 S., R.5 W., Chickasaw meridian, Lafayette County, at bridge on State Highway 315 (Prophet Bridge Crossing), 4 miles (6 km) northwest of Water Valley, Miss.	346.61		10-30-73	*90.0
Otoucalofa Creek Canal	Yocona River Canal	Lat 34°08'35", long 89°39'00", at north boundary line between secs. 7 and 8, T.11 S., R.4 W., Chickasaw meridian, Yalobusha County, at Water Valley, Miss.	88.38	-	10-29-73	*33.3
Bynum Creek	Yocona River Canal	Lat 34°13'30", long 89°44'25", SE¼ sec.8, T.10 S., R.5 W., Chickasaw meridian, Panola County, at bridge on State Highway 315 north of Bynum School, and 6.0 miles (9.7 km) east of Eureka Spring, Miss.	13.58	-	10-30-73	*2.96
Long Branch	Enid Lake	Lat 34°05'57", long 89°48'05", center of sec.26, T.11 S., R.5 W., Chickasaw meridian, Yalobusha County, at old Oakland Road bridge, 1.5 miles (2.4 km) south of Ford's Well and 7.1 miles (11.4 km) northeast of Oakland, Miss.	12.45	-	10-29-73	*.47
Coldwater River	Arkabutla Lake	Lat 34°48'02", long 89°53'00", T.3 S., on line between NW¼ sec.30, R.6 W. and NE¼ sec.25, R.7 W., Chickasaw meridian, DeSoto County, at bridge on county road 4.0 miles (6.4 km) west of Cockrum, Miss.	527.28	-	10-29-73	*143

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
Short Fork Creek	Coldwater River	Lat 34°48'46", long 89°54'36", north center of sec.23, T.3 S., R.6 W., Chickasaw meridian, DeSoto County, about 4 miles (6 km) east of Hernando, Miss.	14.16	-	10-29-73	0
Beartail Creek	Coldwater River	Lat 34°43'40", long 89°53'00", on line between secs.24 and 19, T.4 S., on line between R.6 W. and R.7 W., Chickasaw meridian, Tate County, at bridge on secondary road, 1.0 mile (1.6 km) south of Daniels Chapel and 6.1 miles (9.8 km) northeast of Coldwater, Miss.	33.17	-	10-29-73	*5.19
Hickahala Creek	Arkabutla Lake	Lat 34°37'58", long 89°55'35", in S½ sec.22, T.5 S., R.7 W., Chickasaw meridian, Tate County, at bridge on secondary road, 1.5 miles (2.4 km) northeast of Senatobia, Miss.	121.80	-	10-29-73	*19.9
Senatobia Creek	Hickahala Creek	Lat 34°37'05", long 89°56'30", in center of sec.28, T.5 S., R.7 W., Chickasaw meridian, Tate County, at bridge on State Highway 4, 0.5 mile (0.8 km) east of Senatobia, Miss.	64.55	-	10-29-73	*5.88
Senatobia Creek	Hickahala Creek	Lat 34°37'10", long 89°56'56", in E½ of sec.28, T.5 S., R.7 W., Chickasaw meridian, Tate County, on State Highway 4 at bridge at eastern edge of Senatobia, Miss.	16.71	-	10-29-73	*.41
Tallahatchie River	Yazoo River	Lat 33°31'58", long 90°14'17", in SW¼ sec.6, T.19 N., R.1 E., Choctaw meridian, Leflore County, above Pemberton Cutoff at Greenwood, Miss.	-	-	5-14-74 5-16-74	7,760 9,850
Turkey Creek	Skuna River	Lat 33°58'00", long 89°39'50", on line between secs.9 and 10, T.24 N., R.6 E., Choctaw meridian, Yalobusha County, on State Highway 330, 1.0 mile (1.6 km) southeast of Coffeeville, Miss.	66.08	-	10-30-73	*18.8
Durden Creek	Turkey Creek	Lat 33°58'25", long 89°40'15", in SE¼ sec.4, T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at bridge on State Highway 330, in south edge of Coffeeville, Miss.	21.80	-	10-30-73	*4.39
Cypress Creek	Turkey Creek	Lat 33°57'20", long 89°41'33", in S½ sec. 8, T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at bridge on medium duty road, 1.5 miles (2.4 km) southwest of Coffeeville, Miss.	21.79	-	10-30-73	*3.52
Okachickima Creek	Turkey Creek	Lat 33°55'55", long 89°43'30", in center of sec.24, T.24 N., R.6 E., Choctaw meridian, Yalobusha County, at bridge on State Highway 7, 3 miles (5 km) southwest of Coffeeville, Miss.	7.64	-	10-30-73	*.02
Perry Creek	Grenada Lake	Lat 33°53'54", long 89°46'34", in SE¼ sec.33, T.24 N., R.5 E., Choctaw meridian, Yalobusha County, at bridge on State Highway 7, approximately 7 miles (11 km) northeast of Grenada, Miss.	20.99		10-30-73	*.49
Big Sand Creek	Yalobusha River	Lat 33°33'40", long 90°09'44", in SW¼ sec.26, T.20 N., R.1 E., Choctaw meridian, Leflore County, at mouth, on county road 1.0 mile (1.6 km) northeast of Greenwood, Miss.	-	-	5-14-74	58.6

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
Yalobusha River	Yazoo River	Lat 33°33'12", long 90°10'51", in center of sec.34, T.20 N., R.1 E., Choctaw meridian, Leflore County, at mouth, on county road 1.0 mile (1.6 km) north of Greenwood, Miss.	-	-	5-14-74 5-16-74	1,400 4,090
Pemberton Cutoff	Yazoo River	Lat 33°31'52", long 90°14'18", in NW¼ sec.7, T.19 N., R.1 E., Choctaw meridian, Leflore County, at Tallahatchie River, at U.S. Highway 82, 2.5 miles (4.0 km) west of Greenwood, Miss.	-	-	5-14-74 5-16-74	7,300 9,940
Yazoo River	Mississippi River	Lat 33°27'49", long 90°13'21", in SW¼ sec.32, T.19 N., R.1 E., Choctaw meridian, Leflore County, at county road above Pelucia Creek, 3.0 miles (4.8 km) southwest of Greenwood, Miss.	-	-	5-14-74 5-17-74	9,420 14,100
Pelucia Creek	Yazoo River	Lat 33°27'48", long 90°13'16", in SW¼ sec.32, T.19 N., R.1 E., Choctaw meridian, Leflore County, at mouth, on county road, at Rising Sun, Miss.	-	-	5-15-74	41.2
Yazoo River	Mississippi River	Lat 32°51'20", long 90°26'08", in SE¼ sec.30, T.12 N., R.3 W., Choctaw meridian, Yazoo County, at bridge on U.S. Highway 49 West, 0.5 mile (0.8 km) northwest of Yazoo City, Miss.	8,580	1901-05	2-28-74	17,400
Big Sunflower River	Yazoo River	Lat 34°12'07", long 90°34'36", in E½ sec.23, T.27 N., R.4 W., Choctaw meridian, Coahoma County, 2 miles (3 km) downstream from Little Sunflower River, at business U.S. Highway 61, at Clarksdale, Miss.	108	1940-42, 1954, 1973	7-30-74	57.7
Sewage disposal ditch	Big Sunflower River	Lat 34°11'04", long 90°34'52", in NE¼ sec.26, T.27 N., R.4 W., Choctaw meridian, Coahoma County, 4.0 miles (6.4 km) downstream from Little Tallahatchie River, below sewage disposal plant, at southern city limits of Clarksdale, Miss.	-	-	7-30-74	5.71
Big Sunflower River	Yazoo River	Lat 34°09'24", long 90°32'58", in NW¼ sec.6, T.26 N., R.3 W., Choctaw meridian, Coahoma County, on State Highway 322, 2.0 miles (3.2 km) south of Clarksdale, at Hopson Spur, Miss.	-	-	7-29-74 8-01-74	80.5 49.9
Big Sunflower River	Yazoo River	Lat 34°06'08", long 90°33'57", on line between secs.24 and 25, T.26 N., R.4 W., Choctaw meridian, Coahoma County, 3.0 miles (4.8 km) west of Mattison, Miss.	-	-	7-30-74	84.0
Harris Bayou	Big Sunflower River	Lat 34°05'06", long 90°34'54", in NW¼ sec.35, T.26 N., R.4 W., Choctaw meridian, Coahoma County, on county highway, 2.0 miles (3.2 km) west of Counts, Miss.	-	-	7-30-74	93.0
Big Sunflower River	Yazoo River	Lat 34°03'52", long 90°35'22", in SW¼ sec.2, T.25 N., R.4 W., Choctaw meridian, Coahoma County, on downstream side of highway bridge, at mile 182.5 (293.6 km) at Harvey Chapel, Miss.	257	1954	8-01-74	159
Big Sunflower River	Yazoo River	Lat 34°01'05", long 90°38'18", in SW¼ sec.20, T.25 N., R.4 W., Choctaw meridian, Coahoma County, at bridge on county highway 2.5 miles (4.0 km) west of Roundaway, Miss.	-	-	7-30-74 8-01-74	207 173

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
Hushpuckena River	Big Sunflower River	Lat 33°58'18", long 90°40'20", in NW¼ sec.1, T.24 N., R.5 W., Choctaw meridian, Bolivar County, at bridge on county road, 4.5 miles (7.2 km) west of Baltzer, Miss.	-	-	7-31-74	98.2
Black Bayou	Big Sunflower River	Lat 33°59'00", long 90°35'26", in NE¼ sec.3, T.24 N., R.4 W., Choctaw meridian, Sunflower County, at highway bridge at Baltzer, Miss.	-	-	7-31-74	6.70
Big Sunflower River	Yazoo River	Lat 33°57'04", long 90°37'38", in SE¼ sec.17, T.24 N., R.4 W., Choctaw meridian, Sunflower County, at highway bridge, 2.5 miles (4.0 km) southwest of Baltzer, Miss.	-	-	7-31-74	320
Big Sunflower River	Yazoo River	Lat 33°52'54", long 90°36'38", in NE¼ sec.9, T.23 N., R.4 W., Choctaw meridian, Sunflower County, on downstream side of highway bridge, at mile 161.6 (260.0 km), 1.6 miles (2.6 km) south of Lombardy, Miss.	492	-	8-01-74	336
Lead Bayou	Horseshoe Bayou	Lat 33°46'35", long 90°41'58", on line between secs.3 and 10, T.22 N., R.5 W., Choctaw meridian, Bolivar County, at county road, 1.2 miles (1.9 km) east of Renova, Miss.	-	-	9-17-74	.43
Lead Bayou	Horseshoe Bayou	Lat 33°43'58", long 90°40'36", on line between SE¼ sec.23 and NE¼ sec.26, T.22 N., R.5 W., Choctaw meridian, Bolivar County, on county road, 1.5 miles (2.4 km) east of Cleveland, Miss.	-	-	9-17-74	.58
Sewage disposal ditch	Lead Bayou	Lat 33°45'43", long 90°42'57", on line between secs.9 and 16, T.22 N., R.5 W., Choctaw meridian, Bolivar County, at U.S. Highway 61, 1.0 mile (1.6 km) south of Renova, Miss.	-	-	9-17-74	2.47
Sewage disposal ditch	Lead Bayou	Lat 33°45'43", long 90°42'40", at center of secs.9,10,15, and 16, T.22 N., R.5 W., Choctaw meridian, Bolivar County, at service road east of U.S. Highway 61, at northern city limits of Cleveland, Miss.	-	-	9-17-74	3.49
Lead Bayou tributary No. 1	Lead Bayou	Lat 33°43'58", long 90°41'48", on line between secs.22 and 27, T.22 N., R.5 W., Choctaw meridian, Bolivar County, on county road, 1.0 mile (1.6 km) east of Cleveland, Miss.	-	-	9-16-74 9-19-74	4.70 4.22
Lead Bayou tributary No. 1	Lead Bayou	Lat 33°43'13", long 90°40'56", at center of secs.25, 26, 35, and 36, T.22 N., R.5 W., Choctaw meridian, Bolivar County, on county road, 2.5 miles (4.0 km) northeast of Boyle, Miss.	-	-	9-17-74	5.96
Lead Bayou tributary No. 2	Lead Bayou	Lat 33°42'14", long 90°40'42", on line between secs.2 and 35, and between T.21 N. and T.22 N., R.5 W., Choctaw meridian, Bolivar County, at county road, 2.0 miles (3.2 km) east of Boyle, Miss.	-	-	9-17-74 9-19-74	2.76 .69
Lead Bayou	Horseshoe Bayou	Lat 33°43'07", long 90°38'34", on line between secs.5 and 6, T.21 N., R.4 W., Choctaw meridian, Sunflower County, at county road, 4.5 miles (7.2 km) northeast of Boyle, Miss.	-	-	9-16-74 9-19-74	24.1 7.77

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Yazoo River basin--Continued				
Horseshoe Bayou	Big Sunflower River	Lat 33°43'02", long 90°36'04", in NE¼ sec.3, T.21 N., R.4 W., Choctaw meridian, Sunflower County, on county road, 2.5 miles (4.0 km) southwest of Ruleville, Miss.	-	-	9-17-74	15.3
Yazoo River	Mississippi River	Lat 32°29'16", long 90°49'00", in N½ of Lot 4, T.17 N., R.4 E., Washington meridian, Warren County, 0.8 mile (1.3 km) northwest of Redwood, Miss.	-	1965-67	2-28-74 3-13-74 3-28-74	68,300 54,100 24,700
		Homochitto River basin				
Homochitto River	Mississippi River	Lat 31°17'32", long 91°21'37", in sec.10, T.4 N., R.2 W., Washington meridian, Wilkinson County, at U.S. Highway 61, 2.2 miles (3.5 km) north of Doloroso, Miss.	1,120	1940-46‡ 1949-51‡ 1967-68	4-14-74	123,000

‡ Operated as a continuous-record gaging station.
a Data furnished by and in files of Corps of Engineers, Mobile District.
b Approximately.
c Not previously published.
d Low-flow partial-record station.
e Operated as crest-stage gage.

Measurements in Tennessee-Tombigbee Study Area, Mississippi

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin				
02429713 Yarber Branch	Big Rock Hollow	Lat 34°42'58", long 88°26'11", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 3.4 miles (5.5 km) north of Altitude, Miss.	0.47	1972	10-26-73	0.40
02429718 Big Rock Hollow	Big Brown Creek	Lat 34°42'08", long 88°26'08", in SW¼ sec.26, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.4 miles (3.9 km) north of Altitude, Miss.	2.93	1972	10-26-73	.81
02429725 Heading Mill Hollow	Big Brown Creek	Lat 34°42'13", long 88°25'38", in center of sec.26, T.4 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.6 miles (4.2 km) north of Altitude, Miss.	3.88	1972	10-26-73	.88
02429735 Big Brown Creek	Mackeys Creek	Lat 34°40'11", long 88°25'48", in SW¼ sec.2, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 364, 0.7 mile (1.1 km) east of Altitude, Miss.	11.3	1972	10-26-73	1.52
02429742 North Channel of East Prong	East Prong	Lat 34°41'11", long 88°23'22", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 3.3 miles (5.3 km) northeast of Altitude, Miss.	1.53	1972	10-26-73	.20
02429750 East Prong	Big Brown Creek	Lat 34°40'49", long 88°24'18", in NE¼ sec.1, T.5 S., R.8 E., Chickasaw meridian, Prentiss County, on county road, 2.4 miles (3.9 km) northeast of Altitude, Miss.	4.93	1972	10-26-73	.50
02429925 Big Brown Creek	Mackeys Creek	Lat 34°30'31", long 88°26'04", on sec. line 35 and 2, T. line 6 and 7 S., R.8 E., Chickasaw meridian, Prentiss County, on State Highway 366, 2.0 miles (3.2 km) east of Marietta, Miss.	64.1	1972	10-26-73	6.43
02429933 Little Brown Creek	Big Brown Creek	Lat 34°38'40", long 88°21'24", in center of sec.9, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles (2.9 km) northwest of Burton, Miss.	1.59	1972	10-24-73	.30
02429934 Little Brown Creek trib.	Little Brown Creek	Lat 34°39'27", long 88°20'44", in SW¼ sec.10, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 1.3 miles (2.1 km) north of Burton, Miss.	3.28	1972	10-24-73	1.67
02429935 Little Brown Creek	Big Brown Creek	Lat 34°38'42", long 88°21'26", in center of sec.16, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.2 miles (1.9 km) northwest of Burton, Miss.	6.86	1972	10-24-73	2.84
02429942 Little Brown Creek trib.	Little Brown Creek	Lat 34°37'29", long 88°21'50", on line between SW¼ sec.21 and NW¼ sec.28, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 30, 1.6 miles (2.6 km) east of New Hope, Miss.	10.1	1972	10-24-73	4.64
02429943 Little Brown Creek trib.	Little Brown Creek	Lat 34°37'30", long 88°21'40", in NW¼ sec.28, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.7 miles (2.7 km) east of New Hope, Miss.	.15	1972	10-24-73	.06

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
02429944 Little Brown Creek trib.	Little Brown Creek	Lat 34°37'29", long 88°21'56", in corner of secs.20,21,28,29, R.9 E., Chickasaw meridian, Prentiss County, on State Highway 30, 1.5 miles (2.4 km) east of New Hope, Miss.	0.06	1972	10-24-73	0
02429947 Lacy Creek	Little Brown Creek	Lat 34°37'29", long 88°22'04", on sec. line 29-20, T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 30, 1.4 miles (2.3 km) east of New Hope, Miss.	2.82	1972	10-24-73	.20
02429948 Little Brown Creek trib.	Little Brown Creek	Lat 34°37'29", long 88°22'14", on sec. line 29-20, in T.5 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 30, 1.2 miles (1.9 km) east of New Hope, Miss.	.21	1972	10-24-73	0
02429969 Burgess Creek	Mackeys Creek	Lat 34°41'42", long 88°17'32", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 3.0 miles (4.8 km) northwest of Paden, Miss.	1.05	1972	10-25-73	.97
02429973 Hurricane Creek trib.	Hurricane Creek	Lat 34°40'14", long 88°17'24", in SW¼ sec.6, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.7 miles (2.7 km) northwest of Paden, Miss.	0.90	1972	10-24-73	0.12
02429975 Black Branch	Mackeys Creek	Lat 34°39'53", long 88°16'00", in N½ sec.8, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Illinois Central Railroad bridge, 0.5 mile (0.8 km) north of Paden, Miss.	1.40	1972	10-24-73	.84
02429977 Panther Creek	Mackeys Creek	Lat 34°39'34", long 88°15'37", on sec. line 8-9, in T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 0.3 mile (0.5 km) east of Paden, Miss.	2.76	1972	10-24-73	2.66
02429978 King Creek North Fork	King Creek	Lat 34°38'21", long 88°14'04", in SW¼ sec.15, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on old State Highway 30, 0.2 mile (0.3 km) northwest of Tishomingo, Miss.	1.78	1972	10-25-73	.90
02429979 King Creek South Fork	King Creek	Lat 34°38'15", long 88°14'09", in NW¼ sec.22, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 0.2 mile (0.3 km) west of Tishomingo, Miss.	3.51	1972	10-25-73	2.71
024299792 King Creek tributary	King Creek	Lat 34°38'29", long 88°14'48", in SE¼ sec.16 T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 0.9 mile (1.4 km) northwest of Tishomingo, Miss.	.15	1972	10-25-73	.28
024299814 Mackeys Creek trib.	Mackeys Creek	Lat 34°38'26", long 88°15'34", in SW¼ sec.16 T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on Natchez Trace, 1.2 miles (1.9 km) south of Paden, Miss.	.19	1972	10-24-73	.25
02429985 Sandy Hook Creek	Mackeys Creek	Lat 34°38'16", long 88°17'06", in NE¼ sec.19, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.8 miles (2.9 km) southwest of Paden, Miss.	1.13	1972	10-24-73	.52

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
02430038 Rock Creek	Mackeys Creek	Lat 34°31'00", long 88°16'17", in NW¼ sec.32, T.6 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 3.6 miles (5.8 km) west of Belmont, Miss.	9.02	1972	10-24-73	3.36
02430048 Jourdan Creek	Rock Creek	Lat 34°32'33", long 88°16'26", in SW¼ sec.20, T.6 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 4, 2.9 miles (4.7 km) southwest of Dennis, Miss.	5.74	1972	10-24-73	1.47
02430060 Rock Creek	Mackeys Creek	Lat 34°29'36", long 88°19'11", in S½ sec.2, T.7 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 1.3 miles (2.1 km) northeast of Moores Mill, Miss.	24.2	1972	10-25-73	11.5
02430085 Red Bud Creek	Mackeys Creek	Lat 34°28'00", long 88°17'00", in S½ sec.18, T.7 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 2.7 miles (4.3 km) southeast of Moores Mill, Miss.	15.5	1972	10-25-73	5.83
02430110 Caveness Branch	Mackeys Creek	Lat 34°29'15", long 88°21'23", in N½ sec.9 sec.9, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles (2.9 km) northwest of Moores Mill, Miss.	4.45	1972	10-25-73	1.29
02430120 Pounds Creek	Caveness Branch	Lat 34°29'15", long 88°21'31", in NW¼ sec.9, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.9 miles (3.1 km) northwest of Moores Mill, Miss.	3.53	1972	10-25-73	1.05
02430126 Saucer Creek	Mackeys Creek	Lat 34°28'05", long 88°20'18", in S½ sec.15, T.7 S., R.9 E., Chickasaw meridian, Prentiss County, on county road, 1.8 miles (2.9 km) southwest of Moores Mill, Miss.	8.97	1972	10-25-73	3.50
02430150 Mackeys Creek tributary	Mackeys Creek	Lat 34°27'38", long 88°21'32", in NW¼ s sec.21, T.7 S., R.9 E., Chickasaw meridian, Itawamba County, on county road, 2.3 miles (3.7 km) southwest of Moores Mill, Miss.	.85	1972	10-25-73	.49
02430600 Donivan Creek	Tombigbee River	Lat 34°24'54", long 88°26'26", in E½ sec.3, T.8 S., R.8 E., Chickasaw meridian, Itawamba County, on county road, 3.7 miles (6.0 km) southeast of Kirkville, Miss.	36.0	1962-63a 1972	10-25-73	.42
02430620 Mud Creek	Tombigbee River	Lat 34°22'41", long 88°23'31", in N½ sec.19, T.8 S., R.9 E., Chickasaw meridian, Itawamba County, on county road, 5.5 miles (8.8 km) northwest of Fairview, Miss.	14.9	1972	10-26-73	7.86
02430690 Twentymile Creek	Tombigbee River	Lat 34°23'10", long 88°27'40", in center of sec.16, T.8 S., R.8 E., Chickasaw meridian, Itawamba County, on State Highway 371, 4.6 miles (7.4 km) north of Mantachie, Miss.	146	1962-63a 1965a, 1972	10-25-73	6.21
02430900 Cummings Creek	Tombigbee River	Lat 34°16'57", long 88°24'31", in SE¼ sec.24, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on county road, 0.6 miles (1.0 km) north of Fulton, Miss.	25.4	1956-57, 1960, 1972	10-26-73	20.5
02431400 Mantachie Creek	Tombigbee River	Lat 33°15'55", long 88°26'42", in SE¼ sec.32, T.9 S., R.8 E., Chickasaw meridian, Itawamba County, at bridge on U.S. Highway 78, 0.5 mile (0.8 km) east of Dorsey, Miss.	61.8	1943, 1945-46, 1952-57, 1959-60, 1970, 1972	10-26-73	2.61

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Mobile River basin--Continued				
02431500 Tombigbee River	Mobile River	Lat 34°12'20", long 88°23'50", in SW¼ sec.18, T.10 S., R.9 E., Chickasaw meridian, Itawamba County, at county road bridge, 2 miles (3 km) downstream from Mantachie Creek, and 4.7 miles (7.6 km) south of Fulton, Miss.	706	1937-47,	10-25-73	186
02432500 Bull Mountain Creek	Tombigbee River	Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw meridian, Itawamba County, at bridge on U.S. Highway 78, 0.7 mile (1.1 km) northwest of Tremont.	136	1944-69,	10-26-73	34.9
02433100 Tombigbee River	Mobile River	Lat 34°05'40", long 88°25'50", in NE¼ sec.26, T.11 S., R.8 E., Chickasaw meridian, Itawamba County, 2.8 miles (4.5 km) northwest of Smithville, Miss.	1,093	1937-40a 1972	10-24-73	312
02433300 Boguefala Creek	Tombigbee River	Lat 34°04'53", long 88°27'49", in center of sec.33, T.11 S., R.8 E., Chickasaw meridian, Monroe County, on county road, 2.7 miles (4.3 km) south of Carolina, Miss.	55.7	1972	10-24-73	7.47
		Tennessee River basin				
03592537 Cripple Deer Creek trib.	Cripple Deer Creek	Lat 34°43'11", long 88°15'35", in N½ sec.20-21 line, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 2.2 miles (3.5 km) southwest of Midway, Miss.	.93	1972	10-25-73	.04
03592550 Cripple Deer Creek	Bear Creek	Lat 34°41'54", long 88°13'14", in SW¼ sec.26, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 4.2 miles (6.8 km) north of Tishomingo, Miss.	11.1	1953-57, 1959-60, 1972	10-25-73	1.23
03592554 Trigger Branch	Cripple Deer Creek	Lat 34°39'19", long 88°12'30", in SE¼ sec.11, T.5 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.9 miles (3.1 km) northeast of Tishomingo, Miss.	-	-	10-25-73	1.42
03592559 Little Cripple Deer Creek	Cripple Deer	Lat 34°46'22", long 88°13'04", in SW¼ sec.35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 3.3 miles (5.3 km) southwest of Iuka, Miss.	.60	1972	10-25-73	.09
03592560 Cripple Deer Creek tributary	Cripple Deer Creek	Lat 34°46'25", long 88°13'01", in center of sec.35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 2.9 miles (4.7 km) southwest of Iuka, Miss.	.82	1972	10-25-73	.01
03592561 Little Cripple Deer Creek tributary	Little Cripple Deer Creek	Lat 34°46'08", long 88°13'05", in S½ sec.35, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on State Highway 25, 3.0 miles (4.8 km) southwest of Iuka, Miss.	.89	1972	10-25-73	.04
03592563 Little Cripple Deer Creek	Cripple Deer Creek	Lat 34°44'03", long 88°11'43", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.7 miles (2.7 km) east of Midway, Miss.	7.17	1972	10-25-73	.88
03592565 Moore Branch	Little Cripple Deer Creek	Lat 34°44'01", long 88°11'49", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw meridian, Tishomingo County, on county road, 1.6 miles (2.6 km) east of Midway, Miss.	3.51	1972	10-25-73	.99

Measurements in Tennessee-Tombigbee Study Area, Mississippi--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Tennessee River basin--Continued						
03592656 Clausel Creek trib.	Clausel Creek	Lat 34°44'22", long 88°21'12", in N½ sec.16, T.4 S., R.9 E., Chickasaw meridian, Prentiss County, on State Highway 365, 0.9 mile (1.4 km) northwest of Cairo, Miss.	0.30	1972	10-25-73	0.02
03592659 Yellow Creek tributary	Yellow Creek	Lat 34°43'40", long 88°18'32", in SW¼ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 364, 0.2 mile (0.3 km) southwest of Holcut, Miss.	1.46	1972	10-25-73	.02
03592660 Yellow Creek tributary	Yellow Creek	Lat 34°43'34", long 88°18'40", in SW¼ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 364, 0.4 mile (0.6 km) southwest of Holcut, Miss.	.29	1972	10-24-73	0
03592663 Yellow Creek tributary	Yellow Creek	Lat 34°44'16", long 88°18'16", in N½ sec.13, T.4 S., R.9 E., Chickasaw meridian, Tishomingo County, on county road, 0.4 mile (0.6 km) north of Holcut, Miss.	.57	1972	10-25-73	.20
03592670 Berea Creek	Yellow Creek	Lat 34°47'15", long 88°19'50", in S½ sec.26-27, T.3 S., R.9 E., Chickasaw meridian, Tishomingo County, on State Highway 365, 1.2 miles (1.9 km) north of Holts Spur, Miss.	8.60	1972	10-25-73	.65
03592710 Little Yellow Creek	Yellow Creek	Lat 34°49'07", long 88°16'55", in SE¼ sec.18, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on U.S. Highway 72, 2.7 miles (2.7 km) southeast of Burnsville, Miss.	11.9	1972	10-25-73	2.71
03592712 Ellington Creek	Little Yellow Creek East	Lat 34°48'45", long 88°15'32", in SW¼ sec.16, T.3 S., R.10 E., Chickasaw meridian, Tishomingo County, on U.S. Highway No. 72, 3.7 miles (6.0 km) southeast of Burnsville, Miss.	-	-	10-25-73	3.19

Measurements in Bayou Bernard Study Area, Mississippi

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
		Bayou Bernard basin				
Bayou Bernard	Big Lake	Lat 30°26'24", long 89°05'59", in NW¼ sec.16, T.7 S., R.11 W., St. Stephens meridian, Harrison County, 0.6 miles (1.0 km) upstream from bridge at U.S. Highway 49, at Landon, Miss.	-	-	6-18-74	1.43
Flat Branch	Bayou Bernard	Lat 30°26'25", long 89°05'46", in NW¼ sec.16, T.7 S., R.11 W., St. Stephens meridian, Harrison County, 0.4 mile (0.6 km) downstream from bridge on Dedeaux Rd., at Landon, Miss.	-	-	6-18-74	1.72
Turkey Creek	Bayou Bernard	Lat 30°24'44", long 89°06'47" in NE¼SW¼ sec.29, T.7 S., R.11 W., St. Stephens meridian, Harrison County, 1.3 mile (2.1 km) upstream from bridge at U.S. Highway 49, 2.0 miles (3.2 km) north of Gulfport, Miss.	-	-	6-18-74	1.09
Turkey Creek	Bayou Bernard	Lat 30°25'27", long 89°04'14" in NE¼ sec.22, T.7 S., R.11 W., St. Stephens meridian, Harrison County, at bridge on Creosote Rd., 0.5 mile (0.8 km) north of airport at Gulfport, Miss.	-	-	6-18-74	202
Bayou Bernard Canal	Big Lake	Lat 30°25'05", long 89°00'28", in NW¼SE¼ sec.20, T.7 S., R.10 W., St. Stephens meridian, Harrison County, at mouth, 2.8 miles (4.5 km) southeast of Loraine, Miss.	-	-	6-18-74 6-18-74 6-18-74 6-18-74 6-19-74 6-19-74	1,140 1,370 1,390 -707 -320 -226
Brickyard Bayou	Bayou Bernard	Lat 30°22'56", long 89°05'30", in NW¼NE¼ sec.4, T.8 S., R.11 W., St. Stephens meridian, Harrison County, at U.S. Highway 49, at Gulfport, Miss.	-	-	6-18-74	1.10
Brickyard Bayou	Bayou Bernard	Lat 30°23'20", long 89°04'10", on line between secs.34 and 35, T.7 S., R.11 W., St. Stephens meridian, Harrison County, at 7th Ave., at Gulfport, Miss.	-	-	6-18-74	22.2
Brickyard Bayou	Bayou Bernard	Lat 30°23'56", long 89°03'08", on line between SW¼ sec.25 and SE¼ sec.26, T.7 S., R.11 W., St. Stephens meridian, Harrison County, at bridge on Simpson Road, near Mississippi City, Miss.	-	-	6-18-74	48.3
Brickyard Bayou	Bayou Bernard	Lat 30°24'11", long 89°02'13", in SE¼ sec.25, T.7 S., R.11 W., St. Stephens meridian, at mouth, at Mississippi City, Miss.	-	-	6-18-74	95.0
Bayou Bernard	Big Lake	Lat 30°24'18", long 89°01'50", in W½ sec.30, T.7 S., R.10 W., St. Stephens meridian, Harrison County, at Handsboro bridge, at Handsboro, Miss.	-	-	6-18-74 6-18-74 6-18-74 6-18-74 6-19-74 6-19-74 6-19-74	-22 703 1,570 392 -318 -270 -142

FLOOD OF APRIL 12-29 IN SOUTHERN MISSISSIPPI

The flood of April 12-29, in southern Mississippi, established new records at many sites. Rainfall amounts exceeding 15 inches were reported from six counties in southern Mississippi, with 20.76 inches being the greatest. Most of the rain fell within a 30-hour period beginning on the morning of April 12 and extending into the afternoon of April 13. There were up to three periods of intense precipitation, resulting in maximum peak discharges of record on streams with a wide range of drainage-area sizes.

Extensive damage occurred to homes, farms, and highways. Widespread flooding in the cities of Hattiesburg, Columbia, and Laurel resulted in more than 10,000 persons being evacuated from their homes. The loss of several lives was attributed to the flood.

Data on this flood are assembled here to facilitate a comparison of this flood with previous floods.

Flood hydrograph data are given for 22 stations, of which 16 are continuous-record stations and 6 are partial-record stations. The station descriptions are similar to those for continuous-record gaging stations.

The summary of flood stages and discharges lists additional data at gaging stations not published elsewhere and data at miscellaneous sites. This summary contains the downstream site number if one has been assigned; the stream name and sufficient description for locating the site; the drainage area if the drainage area has been previously determined; the river mile as determined by the Corps of Engineers or the Geological Survey; the datum of the gage or survey in feet above mean sea level; the period of known floods (water years); the year of the previous maximum flood; the elevation or gage height and the discharge of that flood; and the date, gage height, and discharge of the April flood. Where the data are available, upstream and downstream elevations of the flood may be given. In general, the upstream elevations are a sufficient distance from bridges to not be affected by the drawdown through the bridges. The downstream elevations are near the bridges. Where the roadway crossing is not normal to the stream, elevations on either side of the stream may be significantly different. In these cases, elevations at each side of the stream both upstream and downstream may be given. Left and right refer to the direction when facing downstream.

Flood hydrograph data

PASCAGOULA RIVER BASIN

02472000 Leaf River near Collins, Miss.

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens meridian, Covington County, on right bank at downstream side of bridge on U.S. Highway 84, 2 miles (3 km) downstream from Oakohay Creek, 8 miles (13 km) upstream from Big Creek, 9.5 miles (15.3 km) northeast of Collins, and at mile 114.5 (184.2 km).

DRAINAGE AREA.--752 mi^2 (1,948 km^2).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft (60.192 m) above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--See page 46 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1200	5.88	562	.00	4-15	0600	31.67	43600	4.84
4-12	1400	6.06	620	.00	4-15	1200	30.97	44400	5.42
4-12	1600	8.09	1540	.00	4-15	1800	30.15	40200	5.94
4-12	1700	10.35	2940	.01	4-15	2400	29.18	35000	6.41
4-12	1800	12.24	4290	.01					
4-12	1900	13.78	5520	.02	4-16	0600	27.96	30300	6.82
4-12	2000	15.15	6750	.04	4-16	1200	26.66	25000	7.16
4-12	2100	16.32	7980	.05	4-16	1800	25.20	20900	7.45
4-12	2200	17.31	9170	.07	4-16	2400	23.79	13300	7.69
4-12	2300	18.18	10200	.09					
4-12	2400	18.99	11200	.11	4-17	0600	21.58	14700	7.89
					4-17	1200	18.76	10600	8.05
4-13	0200	20.42	13000	.16	4-17	1800	16.32	7750	8.16
4-13	0400	21.63	14800	.22	4-17	2400	14.96	6360	8.25
4-13	0600	23.19	17300	.28					
4-13	0800	24.77	20000	.36	4-18	0600	13.96	5470	8.32
4-13	1000	26.46	24400	.45	4-18	1200	13.25	4900	8.39
4-13	1200	28.46	32500	.57	4-18	1800	12.79	4520	8.44
4-13	1600		44800	.89	4-18	2400	12.39	4210	8.50
4-13	2000		49500	1.28					
4-13	2200		50200	1.48	4-19	1200	11.81	3750	8.60
4-13	2400		50000	1.69	4-19	2400	11.20	3260	8.68
4-14	0400		49200	2.10	4-20	1200	10.54	2730	8.76
4-14	0800		49200	2.50	4-20	2400	10.09	2410	8.82
4-14	1200		50300	2.91					
4-14	1600		52100	3.34	4-21	1200	9.31	2220	8.88
4-14	2000		53900	3.77	4-21	2400	9.58	2060	8.93
4-14	2200		54000	4.00					
4-14	2400		53000	4.22					

Note:-- Discharge estimated from reconstructed graph, Apr.13 at 1600 to Apr. 14 at 2400.

Flood hydrograph data--Continued

PASCAGOULA RIVER BASIN

02472500 Bowie Creek near Hattiesburg, Miss.

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens meridian, Forrest County, on left bank 25 ft (8 m) downstream from upstream bridge of dual bridges on U.S. Highway 49, 1 mile (2 km) upstream from Okatoma Creek, 2 miles (3 km) southwest of Lux, and 10 miles (16 km) northwest of Hattiesburg.

DRAINAGE AREA.--304 mi^2 (787 km^2).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft (48.780 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--See page 47 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1300	3.57	314	.00	4-15	1400		22500	7.97
4-12	1800	3.90	380	.00	4-15	1600		20400	8.19
4-12	2100	5.57	795	.01	4-15	1800		18500	8.39
4-12	2200	7.26	1350	.02	4-15	2000		16500	8.56
4-12	2300	9.15	2080	.03	4-15	2200		14900	8.72
4-12	2400	10.75	2790	.04	4-15	2400		13500	8.87
4-13	0100	12.16	3480	.06	4-16	0200		12000	9.00
4-13	0200	13.21	4050	.07	4-16	0600		9280	9.22
4-13	0400	14.57	4860	.12	4-16	0800		8400	9.31
4-13	0600	15.57	5460	.17	4-16	1000		7820	9.39
4-13	0800	16.49	6060	.23	4-16	1200	14.06	7360	9.47
4-13	1200	17.97	7100	.37	4-16	1600	18.02	6520	9.61
4-13	1400	18.42	7500	.44	4-16	2000	16.89	5730	9.73
4-13	1800	19.02	8100	.60	4-16	2400	15.65	5010	9.84
4-13	2400	19.85	9060	.86					
					4-17	0200	15.02	4660	9.89
4-14	0200	20.52	10000	.96	4-17	0400	14.36	4300	9.94
4-14	0400	21.93	13500	1.08	4-17	0600	13.68	3940	9.98
4-14	0500	22.97	17000	1.16	4-17	0900	12.63	3420	10.04
4-14	0600	24.18	21900	1.26	4-17	1200	11.63	2930	10.08
4-14	0700	25.25	27200	1.33	4-17	1500	10.67	2500	10.13
4-14	0800	25.98	31500	1.53	4-17	2100	9.15	1860	10.19
4-14	1000	27.22	38900	1.89	4-17	2300	8.31	1720	10.21
4-14	1400		43100	2.72					
4-14	1800		95500	4.14	4-18	0200	8.42	1570	10.24
4-14	2000		45200	4.85	4-18	0600	8.00	1400	10.27
4-14	2400		40600	5.73	4-18	1200	7.44	1210	10.31
					4-18	2400	6.69	993	10.37
4-15	0200		38100	6.13					
4-15	0400		35300	6.50	4-19	1200	6.16	845	10.43
4-15	0600		32700	6.85	4-19	2400	5.83	752	10.48
4-15	0800		29900	7.17					
4-15	1000		27200	7.46	4-20	1200	5.59	687	10.52
4-15	1200		24900	7.73	4-20	2400	5.41	641	10.56

Note:-- Discharge estimated from reconstructed graph Apr. 14 at 1400 to Apr. 16 at 1000.

Flood hydrograph data--Continued

PASCAGOULA RIVER BASIN

02473000 Leaf River at Hattiesburg, Miss.

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens meridian, Forrest County, on left bank at downstream side of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 300 ft (90 m) downstream from Bowie Creek, 3,000 ft (900 m) upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8 (115.5 km).

DRAINAGE AREA.--1,760 mi^2 (4,560 km^2), approximately.

PERIOD OF RECORD.--September 1938 to current year. Gage-height records collected in the same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 118.23 ft (36.037 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

REMARKS.--See page 48 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1800	5.44	1880	.00	4-15	1300	34.03	121000	2.43
4-12	2200	7.55	3600	.00	4-15	1600	34.01	120000	2.75
4-12	2400	9.78	5860	.01	4-15	2000	33.88	117000	3.17
					4-15	2400	33.63	110000	3.57
4-13	0100	11.20	7420	.02					
4-13	0200	12.76	9140	.03	4-16	0400	33.30	102000	3.94
4-13	0300	14.19	10900	.03	4-16	1000	32.65	88300	4.44
4-13	0500	16.33	14200	.06	4-16	1300	31.55	72600	5.01
4-13	0700	17.86	16700	.08	4-16	2400	30.64	63700	5.37
4-13	0900	18.88	18600	.12					
4-13	1100	19.60	19900	.15	4-17	0600	29.81	57700	5.69
4-13	1300	20.14	20900	.19	4-17	1200	28.71	50000	5.98
4-13	1600	20.88	22400	.24	4-17	1800	27.64	45000	6.23
4-13	1900	21.71	24300	.30	4-17	2400	26.55	39600	6.45
4-13	2200	22.26	25600	.37					
4-13	2400	22.57	26400	.42	4-18	0600	25.17	34000	6.65
					4-18	1200	23.84	29700	6.82
4-14	0100	22.75	26900	.44	4-18	1800	22.38	26000	6.96
4-14	0400	23.21	28000	.51	4-18	2400	20.95	22500	7.09
4-14	0700	23.68	29200	.59					
4-14	1000	24.14	30600	.67	4-19	0600	19.47	19600	7.20
4-14	1300	25.01	33400	.75	4-19	1200	17.61	16300	7.30
4-14	1500	25.92	36900	.81	4-19	1800	15.35	12700	7.37
4-14	1600	26.51	39400	.85	4-19	2400	12.92	9310	7.43
4-14	1800	27.91	46400	.92					
4-14	1900	28.66	50600	.96	4-20	0600	11.17	7300	7.48
4-14	2000	29.37	54800	1.01	4-20	1200	10.21	6330	7.51
4-14	2200	30.77	64000	1.12	4-20	1800	9.65	5720	7.55
4-14	2400	31.81	75700	1.24	4-20	2400	9.19	5210	7.57
4-15	0100	32.21	81000	1.31	4-21	0600	8.80	4800	7.60
4-15	0300	32.82	91400	1.46	4-21	1200	8.47	4470	7.62
4-15	0500	33.30	102000	1.63	4-21	2400	8.00	4000	7.67
4-15	0700	33.62	110000	1.82					
4-15	0900	33.82	115000	2.02	4-22	1200	7.64	3680	7.71
4-15	1200	33.99	120000	2.33	4-22	2400	7.56	3600	7.75

Flood hydrograph data--Continued

PASCAGOULA RIVER BASIN

02473500 Tallahala Creek at Laurel, Miss.

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens meridian, Jones County, on right bank at downstream side of bridge on State Highway 15, 0.5 mile (0.8 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mile (0.8 km) southeast of city limits of Laurel, and 6 miles (10 km) upstream from Tallahoma Creek.

DRAINAGE AREA.--233 mi^2 (603 km^2).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft (61.378 m) above mean sea level (Mississippi State Highway Department bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--See page 49 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1300	5.03	213	.00	4-14	2100		20300	3.05
4-12	1500	5.84	294	.00	4-14	2200	22.49	19700	3.19
4-12	1800	6.33	350	.00	4-14	2400	22.17	18400	3.44
4-12	2100	10.65	1000	.02	4-15	0300	21.67	16400	3.79
4-12	2400	11.50	1180	.04	4-15	0600	21.21	14800	4.10
4-13	0400	12.55	1500	.08	4-15	1200	20.12	11600	4.63
4-13	0800	13.41	1840	.12	4-15	1800	19.25	9430	5.05
4-13	1100	14.46	2400	.16	4-15	2400	18.47	7540	5.39
4-13	1600	16.00	3760	.26	4-16	1200	17.31	5560	5.91
4-13	2100	16.19	3980	.39	4-16	2400	16.47	4360	6.31
4-13	2400	17.51	5860	.49	4-17	1200	15.73	3430	6.62
4-14	0200	19.01	8830	.59	4-17	2400	15.20	2980	6.88
4-14	0400	20.47	12600	.73	4-18	1200	14.74	2590	7.10
4-14	0600	21.51	15900	.92	4-18	2400	14.29	2290	7.29
4-14	0700	21.90	17300	1.03	4-19	1200	13.77	2020	7.46
4-14	0800	22.17	18400	1.15	4-19	2400	13.07	1710	7.61
4-14	0900		20000	1.28	4-20	1200	11.65	1270	7.73
4-14	1000		21200	1.42	4-20	2400	8.64	736	7.81
4-14	1100		22000	1.56	4-21	1200	7.02	497	7.86
4-14	1200		22700	1.71	4-21	2400	6.51	426	7.90
4-14	1300		23000	1.86	4-22	1200	6.22	392	7.93
4-14	1400		23200	2.01					
4-14	1500		23300	2.17					
4-14	1600		23200	2.32					
4-14	1700		22900	2.48					
4-14	1800		22400	2.63					
4-14	1900		21900	2.77					
4-14	2000		21100	2.92					

Note:-- Discharge estimated from reconstructed graph Apr. 14 at 0900 to Apr. 14 at 2100.

Flood hydrograph data--Continued

PASCAGOULA RIVER BASIN

02474500 Tallahala Creek near Runnelstown, Miss.

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens meridian, Perry County, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 miles (5 km) south of Runnelstown, and 9 miles (14 km) upstream from mouth.

DRAINAGE AREA.--612 mi^2 (1,585 km^2).

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft (31.876 m) above mean sea level. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

REMARKS.--See page 50 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1200	8.07	698	.00	4-16	1300	28.25	27000	2.83
4-12	1800	8.02	678	.01	4-16	2000	28.09	26200	2.97
4-12	2100	8.37	818	.01	4-16	2200	27.91	25300	3.10
4-12	2400	10.72	1040	.02	4-16	2400	27.72	24600	3.22
4-13	0200	12.78	2860	.03	4-17	0200	27.50	23700	3.34
4-13	0400	14.80	3960	.05	4-17	0400	27.26	22700	3.46
4-13	0600	16.11	4750	.07	4-17	0600	26.99	21700	3.57
4-13	0800	16.99	5360	.10	4-17	0800	26.74	20800	3.68
4-13	1000	17.55	5760	.13	4-17	1000	26.48	19900	3.79
4-13	1200	17.96	6070	.16	4-17	1200	26.22	19000	3.88
4-13	1400	18.27	6320	.19	4-17	1400	25.97	18100	3.98
4-13	1600	18.50	6500	.22	4-17	1600	25.73	17400	4.07
4-13	1800	18.72	6680	.25	4-17	1800	25.50	16700	4.15
4-13	2000	19.10	6990	.29	4-17	2000	25.27	16000	4.23
4-13	2200	19.46	7310	.32	4-17	2200	25.03	15400	4.31
4-13	2400	19.73	7560	.36	4-17	2400	24.83	14900	4.39
4-14	0200	19.94	7750	.40	4-18	0400	24.42	13800	4.54
4-14	0400	20.11	7910	.44	4-18	0800	24.02	13000	4.67
4-14	0600	20.24	8040	.48	4-18	1200	23.63	12300	4.80
4-14	0800	20.35	8150	.52	4-18	1600	23.21	11600	4.92
4-14	1000	20.47	8270	.56	4-18	2000	22.78	11000	5.04
4-14	1200	20.54	8340	.61	4-18	2400	22.34	10300	5.14
4-14	1400	20.62	8420	.65					
4-14	1600	20.68	8480	.69	4-19	0400	21.87	9670	5.24
4-14	1800	20.76	8560	.73	4-19	0800	21.38	9180	5.34
4-14	2000	20.83	8630	.78	4-19	1200	20.89	8690	5.43
4-14	2200	20.93	8730	.82	4-19	1600	20.39	8190	5.52
4-14	2400	21.03	8830	.87	4-19	2000	19.89	7700	5.60
					4-19	2400	19.39	7250	5.67
4-15	0200	21.16	8960	.91					
4-15	0400	21.33	9130	.96	4-20	0400	18.88	6800	5.74
4-15	0600	21.54	9340	1.00	4-20	0800	18.34	6370	5.81
4-15	0800	21.83	9630	1.05	4-20	1200	17.37	6000	5.87
4-15	1000	22.21	10100	1.10	4-20	1600	17.44	5680	5.93
4-15	1200	22.67	10800	1.15	4-20	2000	16.95	5340	5.99
4-15	1400	23.22	11600	1.21	4-20	2400	16.54	5050	6.04
4-15	1600	23.88	12800	1.27					
4-15	1800	24.65	14400	1.34	4-21	0600	15.93	4620	6.11
4-15	2000	25.49	16700	1.42	4-21	1200	15.24	4180	6.18
4-15	2200	26.33	19400	1.51	4-21	1800	14.39	3670	6.24
4-15	2400	27.03	22000	1.62	4-21	2400	13.14	2940	6.29
4-16	0200	27.56	23900	1.74	4-22	0600	11.89	2250	6.33
4-16	0400	27.96	25500	1.86	4-22	1200	11.01	1820	6.36
4-16	0600	28.20	26700	1.99	4-22	1800	10.57	1600	6.39
4-16	0800	28.35	27400	2.13	4-22	2400	10.33	1500	6.41
4-16	1000	28.43	27800	2.27					
4-16	1200	28.44	27900	2.41	4-23	1200	10.26	1460	6.45
4-16	1400	28.42	27800	2.55	4-23	2400	10.23	1450	6.50
4-16	1600	28.34	27400	2.69					

Flood hydrograph data--Continued

PASCAGOULA RIVER BASIN

02474600 Bogue Homo near Richton, Miss.

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens meridian, Perry County, at bridge on county highway, 0.5 mile (0.8 km) upstream from Linda Creek, 1.0 mile (1.6 km) downstream from Sweetwater Creek, 3.5 miles (5.6 km) upstream from State Highway 42, and 6.0 miles (9.7 km) northwest of Richton.

DRAINAGE AREA.--344 mi^2 (891 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1944, 1955-56, 1965. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 117 ft or 35.7 m (from topographic map).

REMARKS.--See page 51 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1200	5.25	280	.00	4-15	1700	23.26	12100	2.15
4-12	1600	5.22	280	.00	4-15	2000	23.25	12100	2.32
4-12	2000	5.52	370	.01	4-15	2400	23.02	11700	2.53
4-12	2200	6.74	823	.01					
4-12	2400	8.14	1490	.02	4-16	0200	22.83	11500	2.63
					4-16	0800	21.00	10500	2.93
4-13	0200	9.64	2290	.04	4-16	1400	20.60	9420	3.20
4-13	0400	10.65	2850	.06	4-16	1800	19.41	8590	3.36
4-13	0600	11.05	3070	.09	4-16	2400	17.71	7400	3.58
4-13	1200	11.35	3230	.17					
4-13	1600	12.03	3610	.24	4-17	0600	15.94	6160	3.76
4-13	2000	13.49	4490	.31	4-17	1200	14.19	4940	3.91
4-13	2200	14.54	5180	.35	4-17	1600	13.20	4360	4.00
4-13	2400	15.38	5770	.40	4-17	2000	12.57	3930	4.07
					4-17	2400	11.36	3510	4.14
4-14	0200	15.80	6060	.45					
4-14	0600	16.86	6800	.57	4-18	0400	11.40	3260	4.20
4-14	0800	17.24	7070	.63	4-18	0800	10.91	2980	4.25
4-14	1000	17.98	7590	.70	4-18	1200	10.55	2790	4.31
4-14	1400	19.36	8550	.84	4-18	1600	10.13	2560	4.38
4-14	1800	20.53	9370	1.01	4-18	2400	9.69	2320	4.45
4-14	2200	21.47	10100	1.13					
4-14	2400	21.84	10400	1.27	4-19	1200	9.09	1980	4.56
					4-19	2400	8.57	1700	4.66
4-15	0200	22.18	10800	1.37					
4-15	0600	22.65	11300	1.57	4-20	1200	8.06	1450	4.75
4-15	1000	22.97	11700	1.78	4-20	2400	7.46	1150	4.82
4-15	1400	23.18	12000	1.99					

Flood hydrograph data--Continued

PASCAGOULA RIVER BASIN

02475000 Leaf River near McLain, Miss.

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ sec.29, T.2 N., R.8 W., St. Stephens meridian, Greene County, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 miles (1.9 km) east of McLain, 2 miles (3 km) downstream from Atkinson Creek, 6 miles (10 km) upstream from Big Oktibee Creek, and 14.6 miles (23.5 km) upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,510 mi^2 (9,090 km^2), approximately.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft (12.847 m) above mean sea level. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--See page 52 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1200	7.16	4260	.00	4-18	1000	30.25	109000	3.08
4-12	1800	7.05	4150	.01	4-18	1200	30.21	108000	3.18
4-12	2000	7.01	4110	.01	4-18	1600	29.96	105000	3.37
4-12	2200	7.16	4260	.01	4-18	2000	29.76	102000	3.55
4-12	2400	7.49	4590	.02	4-18	2400	29.37	97400	3.73
4-13	0200	8.33	5460	.02	4-19	0400	29.01	93100	3.89
4-13	0400	9.78	7140	.03	4-19	0800	28.67	89100	4.05
4-13	0600	11.52	9430	.03	4-19	1200	28.23	84200	4.21
4-13	0800	13.04	11800	.04	4-19	1600	27.87	80300	4.35
4-13	1000	14.28	13700	.06	4-19	2000	27.42	75700	4.49
4-13	1200	15.29	15400	.07	4-19	2400	27.06	72100	4.62
4-13	1400	16.02	16500	.08	4-20	0400	26.65	68200	4.75
4-13	1600	16.64	17600	.10	4-20	0800	26.23	64400	4.86
4-13	1800	17.10	18400	.11	4-20	1200	25.87	61100	4.97
4-13	2000	17.77	19600	.13	4-20	1600	25.44	57500	5.08
4-13	2200	18.38	20800	.15	4-20	2000	25.06	54500	5.18
4-13	2400	18.93	22000	.17	4-20	2400	24.74	52200	5.27
4-14	0200	19.47	23400	.19	4-21	0600	24.16	48100	5.40
4-14	0400	19.94	24800	.21	4-21	1200	23.59	44200	5.53
4-14	0600	20.35	26100	.23	4-21	1800	22.99	40600	5.64
4-14	0800	20.75	27800	.25	4-21	2400	22.38	37000	5.74
4-14	1000	21.06	29300	.28	4-22	0600	21.70	32900	5.83
4-14	1200	21.41	31200	.31	4-22	1200	20.90	28500	5.92
4-14	1400	21.71	33000	.33	4-22	1800	19.92	24800	5.99
4-14	1600	21.96	34500	.36	4-22	2400	18.65	21300	6.05
4-14	1800	22.17	35700	.40	4-23	0600	17.18	18500	6.10
4-14	2000	22.36	36900	.43	4-23	1200	15.63	15800	6.14
4-14	2200	22.58	38200	.46	4-23	1800	14.27	13700	6.18
4-14	2400	22.75	39200	.49	4-23	2400	13.22	12100	6.22
4-15	0300	22.98	40600	.55	4-24	0600	12.52	10900	6.25
4-15	0600	23.20	41900	.60	4-24	1200	12.09	10200	6.28
4-15	0900	23.38	43000	.66	4-24	1800	11.87	9830	6.30
4-15	1200	23.55	44000	.72	4-24	2400	11.76	9660	6.33
4-15	1800	23.78	45500	.83	4-25	1200	11.59	9380	6.38
4-15	2400	24.12	47800	.96	4-25	2400	11.40	9080	6.43
4-16	0600	24.57	51000	1.09	4-26	1200	11.25	8840	6.48
4-16	1200	25.24	55900	1.23	4-26	2400	11.08	8570	6.52
4-16	1800	26.25	64600	1.39	4-27	1200	10.74	8020	6.57
4-16	2400	27.41	75600	1.59	4-28	1200	9.64	6360	6.64
4-17	0600	28.64	88700	1.79	4-29	1200	8.74	5180	6.70
4-17	1200	29.50	99000	2.04					
4-17	1800	30.06	106000	2.31					
4-17	2400	30.31	109000	2.60					
4-18	0200	30.37	110000	2.70					
4-18	0800	30.33	110000	2.99					

Flood hydrograph data--Continued

PASCAGOULA RIVER BASIN

02479000 Pascagoula River at Merrill, Miss.

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mile (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.--6,600 mi^2 (17,100 km^2), approximately.

PERIOD OF RECORD.--October 1930 to current year. Monthly discharge only for October and November 1930, published in WSP 1304. Gage-height records collected in same vicinity since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft (8.001 m) above mean sea level. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--See page 59 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1200	10.16	9990	.00	4-18	0600		12400	1.79
4-12	1800	9.85	9460	.01	4-18	1200		130000	1.97
4-12	2100	9.73	9260	.02	4-18	1800		135000	2.16
4-12	2400	9.80	9380	.02	4-18	2400		138000	2.35
4-13	0300	10.15	9970	.02	4-19	0600		138000	2.54
4-13	0600	10.99	11500	.04	4-19	1200		134000	2.74
4-13	0900	12.66	14700	.05	4-19	1800		128000	2.92
4-13	1200	14.28	18300	.06	4-19	2400		122000	3.10
4-13	1500	15.57	21500	.07					
4-13	1800	16.51	24000	.09	4-20	0600		116000	3.26
4-13	2100	17.24	26200	.10	4-20	1200		111000	3.42
4-13	2400	17.94	28500	.12	4-20	1800		106000	3.56
					4-20	2400		100000	3.65
4-14	0300	18.55	30700	.14					
4-14	0600	19.09	32700	.17	4-21	0600		95500	3.72
4-14	0900	19.61	34800	.19	4-21	1200		91200	3.85
4-14	1200	19.96	36100	.22	4-21	1800		87200	3.98
4-14	1500	20.67	39100	.24	4-21	2400		82400	4.10
4-14	1800	20.89	40200	.27					
4-14	2100	21.35	42900	.30	4-22	1200		73800	4.32
4-14	2400	21.78	45800	.33	4-22	2400		66000	4.51
4-15	0300	22.15	48600	.36	4-23	1200		58000	4.69
4-15	0600	22.30	49800	.40	4-23	2400		51500	4.84
4-15	0900	22.74	53600	.44					
4-15	1200	23.04	56500	.47	4-24	0600		48400	4.91
4-15	1500	23.27	59100	.51	4-24	1200	21.84	46100	4.98
4-15	1800	23.39	60500	.56	4-24	2400	21.18	41800	5.10
4-15	2100	23.52	62300	.60					
4-15	2400	23.79	66200	.65	4-25	1200	20.51	38300	5.22
					4-25	2400	19.67	34900	5.32
4-16	0600	24.09	70700	.74					
4-16	1100	24.32	74200	.83	4-26	1200	18.70	31200	5.41
4-16	1800	24.48	76800	.95	4-26	2400	17.67	27600	5.49
4-16	2400	24.86	82900	1.06					
					4-27	2400	15.22	20600	5.63
4-17	0600	25.32	90200	1.19					
4-17	0800	25.60	94700	1.23	4-28	2400	13.12	15600	5.73
4-17	1200		98100	1.32					
4-17	1800		108000	1.46	4-29	2400	11.55	12500	5.81
4-17	2400		117000	1.62					

Note:-- Discharge estimated from reconstructed graph Apr. 17 at 1200 to Apr. 24 at 0600.

Flood hydrograph data--Continued

PASCAGOULA RIVER BASIN

02479130 Black Creek near Brooklyn, Miss.

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens meridian, Forrest County, at bridge on U.S. Highway 49, 1.1 miles (1.8 km) southwest of Brooklyn, and 4.5 miles (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--361 mi^2 (935 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-57, 1959, 1964-66. October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) above mean sea level (Mississippi State Highway Department bench mark).

EXTREMES.--See page 60 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	0600		496	.00	4-15	0400		14600	3.02
4-12	1200		490	.01	4-15	0800		13100	3.26
4-12	1600		586	.02	4-15	1200		11800	3.47
4-12	1800		1080	.02	4-15	1800		9990	3.75
4-12	2000		1760	.04	4-15	2400	20.00	8700	3.99
4-12	2200		2600	.05					
4-12	2400		3500	.08	4-16	0600	18.88	7480	4.20
					4-16	1200	17.81	6570	4.38
4-13	0200		4260	.11	4-16	1800	16.55	5730	4.54
4-13	0400		5040	.15	4-16	2400	15.25	4950	4.68
4-13	0600		5580	.20					
4-13	0800		6100	.25	4-17	0600	13.87	4120	4.79
4-13	1000		6630	.30	4-17	1200	12.75	3480	4.89
4-13	1200		7120	.36	4-17	1800	11.88	3040	4.97
4-13	1400		7610	.43	4-17	2400	11.13	2660	5.05
4-13	1600		8170	.49					
4-13	1800		8700	.57	4-18	1200	10.09	2140	5.17
4-13	2000		10500	.65	4-18	2400	9.34	1780	5.27
4-13	2200		12500	.75					
4-13	2400		14200	.86	4-19	1200	8.85	1580	5.36
					4-19	2400	8.44	1420	5.44
4-14	0200		16200	.99					
4-14	0400		18100	1.14	4-20	1200	8.09	1280	5.51
4-14	0600		19500	1.30	4-20	2400	7.77	1150	5.57
4-14	0800		20300	1.47					
4-14	1000		20400	1.65	4-21	1200	7.54	1060	5.62
4-14	1200		20100	1.82	4-21	2400	7.35	989	5.68
4-14	1400		19500	1.99					
4-14	1600		18900	2.16	4-22	1200	7.23	943	5.73
4-14	1800		18200	2.32	4-22	2400	7.17	921	5.78
4-14	2100		17000	2.54					
4-14	2400		16000	2.75	4-23	1200	7.39	1000	5.82
					4-23	2400	7.37	997	5.88

Note:-- Discharge estimated from reconstructed graph Apr. 12 to Apr. 15 at 1800.

Discharge, in cubic feet per second, water year October to September

Flood hydrograph data--Continued

PEARL RIVER BASIN

02487710 Barretts Branch near Pinola, Miss.

LOCATION.--Lat 31°52'50", long 90°02'40", in NE¼NE¼SE¼ sec.36, T.1 N., R.2 E., Choctaw meridian, Simpson County, at a 10x10 ft (3.05x3.05 m) box culvert on State Highway 28, 5 miles (8 km) west of Pinola.

DRAINAGE AREA.--0.88 mi^2 (2.28 km^2).

PERIOD OF RECORD.--April 1955 to current year (annual peaks only prior to May 1965; all peaks above 70 ft^3/s or 1.98 m^3/s thereafter).

GAGE.--Water-stage recorder. Prior to May 18, 1965, crest-stage gage. May 18, 1965, to Sept. 14, 1971, circular-chart recorder, all at same site and datum.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	0710	1.97	51	.00	4-13	0200	3.10	55	9.24
4-12	0730	2.67	28	.00	4-13	0300	2.91	42	9.33
4-12	0800	2.72	30	.06	4-13	0400	2.77	33	9.40
4-12	0830	3.28	68	.11	4-13	0500	2.65	27	9.45
4-12	0900	3.66	94	.27	4-13	0600	2.54	21	9.49
4-12	0930	3.72	98	.36	4-13	0700	2.46	17	9.52
4-12	1000	3.89	111	.57	4-13	0800	2.40	15	9.55
4-12	1030	3.91	113	.67	4-13	0900	2.41	15	9.58
4-12	1100	3.80	104	.89	4-13	1000	2.71	30	9.62
4-12	1130	3.59	89	.98	4-13	1100	3.73	99	9.73
4-12	1200	3.46	80	1.15	4-13	1130	4.11	129	9.83
4-12	1230	3.50	83	1.22	4-13	1200	4.25	140	10.11
4-12	1300	3.89	111	1.42	4-13	1215	4.33	146	10.17
4-12	1330	4.27	142	1.54	4-13	1230	4.40	152	10.24
4-12	1400	4.45	156	1.84	4-13	1245	4.49	159	10.31
4-12	1430	4.54	164	1.98	4-13	1300	4.51	161	10.56
4-12	1445	4.60	169	2.06	4-13	1315	4.48	158	10.63
4-12	1500	4.66	174	2.33	4-13	1330	4.43	154	10.70
4-12	1515	4.85	192	2.41	4-13	1345	4.39	151	10.77
4-12	1530	4.99	204	2.50	4-13	1400	4.28	142	11.01
4-12	1545	5.23	228	2.60	4-13	1430	4.09	127	11.12
4-12	1600	5.43	248	2.98	4-13	1500	3.84	107	11.36
4-12	1615	5.78	283	3.10	4-13	1530	3.62	91	11.45
4-12	1630	6.02	307	3.23	4-13	1600	3.55	87	11.63
4-12	1645	6.28	333	3.37	4-13	1630	3.89	111	11.72
4-12	1700	6.82	387	3.95	4-13	1645	4.81	188	11.79
4-12	1715	7.51	461	4.13	4-13	1700	5.07	212	12.11
4-12	1730	7.99	514	4.35	4-13	1715	5.23	228	12.21
4-12	1745	8.16	534	4.58	4-13	1730	5.49	254	12.31
4-12	1750	8.27	547	4.66	4-13	1745	5.74	279	12.43
4-12	1800	8.21	540	5.46	4-13	1800	6.40	345	12.93
4-12	1815	8.04	520	5.60	4-13	1815	6.56	361	13.09
4-12	1830	7.75	488	5.91	4-13	1830	6.22	327	13.24
4-12	1845	7.32	440	6.12	4-13	1845	5.77	282	13.38
4-12	1900	6.85	390	6.79	4-13	1900	5.40	245	13.80
4-12	1915	6.26	331	6.95	4-13	1930	4.79	186	13.99
4-12	1930	5.84	289	7.08	4-13	2000	4.38	150	14.34
4-12	1945	5.46	251	7.20	4-13	2030	4.07	126	14.46
4-12	2000	5.11	216	7.58	4-13	2100	3.73	99	14.69
4-12	2015	4.88	194	7.67	4-13	2130	3.41	77	14.77
4-12	2030	4.71	179	7.75	4-13	2200	3.16	59	14.91
4-12	2100	4.43	154	8.09	4-13	2300	2.80	35	14.99
4-12	2130	4.18	134	8.22	4-13	2400	2.63	26	15.04
4-12	2200	3.98	118	8.48					
4-12	2230	3.79	103	8.57	4-14	0200	2.46	17	15.12
4-12	2300	3.63	92	8.77	4-14	0400	2.35	14	15.17
4-12	2330	3.49	82	8.85	4-14	0600	2.28	12	15.22
4-12	2400	3.40	76	9.01	4-14	0800	2.23	10	15.26
4-13	0100	3.24	65	9.14					

Flood hydrograph data--Continued

PEARL RIVER BASIN

02488340 Small Pine ditch near Monticello, Miss.

LOCATION.--Lat 31°32'50", long 90°15'40", in SW¼SW¼NW¼ sec.25, T.7 N., R.9 E., Washington meridian, Lawrence County, at a 6x6 ft (1.83x1.83 m) box culvert on U.S. Highway 84, 9 miles (14 km) west of Monticello.

DRAINAGE AREA.--0.16 mi^2 (0.41 km^2).

PERIOD OF RECORD.--April 1955 to current year (annual peaks only prior to April 1975; all peaks above 30 ft^3/s or 0.85 m^3/s) thereafter).

GAGE.--Water-stage recorder. Prior to April 27, 1965, crest-stage gage at same site and datum.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1100	2.49	6.4	.00	4-13	0300	2.88	14	7.73
4-12	1200	2.99	17	.11	4-13	0600	2.76	11	8.10
4-12	1215	3.25	25	.16	4-13	0700	3.14	21	8.25
4-12	1230	3.43	30	.23	4-13	0800	3.46	31	8.50
4-12	1245	3.36	28	.30	4-13	0900	3.08	19	8.75
4-12	1300	3.23	24	.53	4-13	1000	2.98	16	8.92
4-12	1400	2.95	16	.72	4-13	1015	3.06	19	8.96
4-12	1500	2.93	15	.87	4-13	1030	4.19	57	9.05
4-12	1600	3.51	32	1.10	4-13	1045	5.08	142	9.29
4-12	1615	4.23	59	1.21	4-13	1055	6.56	175	9.55
4-12	1630	4.86	96	1.38	4-13	1100	6.50	171	10.80
4-12	1645	4.71	79	1.58	4-13	1115	5.63	125	11.16
4-12	1700	4.14	56	2.18	4-13	1130	5.04	95	11.43
4-12	1730	3.69	38	2.41	4-13	1200	4.79	83	12.43
4-12	1745	4.70	78	2.55	4-13	1230	4.12	55	12.77
4-12	1800	5.70	128	3.47	4-13	1300	3.54	33	13.27
4-12	1815	6.01	144	3.79	4-13	1400	3.13	21	13.53
4-12	1830	5.69	128	4.12	4-13	1500	2.98	16	13.71
4-12	1845	5.31	109	4.41	4-13	1900	2.81	12	14.11
4-12	1900	4.95	91	5.30	4-13	2100	2.72	10	14.43
4-12	2000	3.88	45	5.96	4-13	2400	2.65	9.0	14.71
4-12	2100	3.77	41	6.37					
4-12	2200	3.49	32	6.73					
4-12	2300	3.28	25	7.00					
4-12	2400	3.14	21	7.23					

Flood hydrograph data--Continued

PEARL RIVER BASIN

02488500 Pearl River near Monticello, Miss.

LOCATION.--Lat 31°33', long 90°05', in SW¼ sec.23, T.7 N., R.21 W., St. Stephens meridian, Lawrence County, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mile (1.6 km) east of Monticello, 2.5 miles (4.0 km) upstream from Halls Creek, 3 miles (5 km) upstream from Silver Creek, and at mile 190.8 (307.0 km).

DRAINAGE AREA.--5,040 mi² (13,050 km²), approximately.

PERIOD OF RECORD.--October 1938 to current year. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft (48.360 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage; Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder; and Jan. 11, 1949, to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--See page 73 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	0600	13.93	8900	.00	4-14	1800	31.87	75300	.93
4-12	0800	13.87	8800	.00	4-14	2000	31.75	74400	.97
4-12	1000	13.90	8850	.01	4-14	2200	31.64	73700	1.02
4-12	1200	14.30	9480	.01	4-14	2400	31.52	72800	1.06
4-12	1400	15.74	11800	.02					
4-12	1600	17.55	14700	.03	4-15	0300	31.35	71600	1.13
4-12	1800	19.92	18900	.04	4-15	0600	31.18	70500	1.19
4-12	2000	22.26	24000	.05	4-15	0900	31.00	69200	1.26
4-12	2200	24.00	29200	.07	4-15	1200	30.83	68000	1.32
4-12	2400	25.36	34800	.09	4-15	1500	30.65	66800	1.38
					4-15	1800	30.49	65600	1.45
4-13	0200	26.15	38800	.11	4-15	2100	30.33	64500	1.51
4-13	0400	26.82	42400	.13	4-15	2400	30.18	63500	1.56
4-13	0600	27.61	47200	.16					
4-13	0800	28.29	51200	.19	4-16	0600	29.85	61200	1.68
4-13	1000	28.69	53600	.22	4-16	1200	29.55	59000	1.79
4-13	1200	29.20	56700	.26	4-16	1800	29.25	57000	1.90
4-13	1400	29.59	59300	.29	4-16	2400	28.96	55300	2.00
4-13	1600	29.95	61800	.33					
4-13	1800	30.48	65600	.37	4-17	1200	28.45	52200	2.20
4-13	2000	30.90	68500	.41	4-17	2400	27.97	49300	2.39
4-13	2200	31.45	72400	.45					
4-13	2400	31.87	75300	.50	4-18	1200	27.52	46600	2.56
					4-18	2400	27.10	44100	2.73
4-14	0200	32.12	77000	.55					
4-14	0400	32.20	77600	.59	4-19	1200	26.75	42000	2.89
4-14	0600	32.23	78200	.64	4-19	2400	26.49	40400	3.04
4-14	0800	32.27	78100	.69					
4-14	1000	32.22	77700	.74	4-20	1200	26.29	39400	3.19
4-14	1200	32.16	77300	.79	4-20	2400	26.12	38600	3.33
4-14	1400	32.08	76800	.83					
4-14	1600	31.93	76100	.88	4-21	1200	26.03	38200	3.47

Flood hydrograph data--Continued

PEARL RIVER BASIN

02488510 Roadside Park ditch near Monticello, Miss.

LOCATION.--Lat 31°34'30", long 90°03'20", in SW¼SE¼NW¼ sec.18, T.7 N., R.12 E., St. Stephens meridian, Lawrence County, at an 8x4 ft (2.43x2.43 m) box culvert on U.S. Highway 84, 3.0 miles (4.8 km) east of Monticello.

DRAINAGE AREA.--0.25 mi^2 (0.65 km^2).

PERIOD OF RECORD.--April 1955 to current year (Annual peaks only prior to May 1965; all peaks above 50 ft^3/s or 1.42 m^3/s) thereafter).

GAGE.--Water-stage recorder. Prior to May 18, 1965, crest-stage gage. May 18, 1965, to Sept. 28, 1971, circular-chart recorder, all at same site and datum.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1230	2.16	0	.00	4-13	0100	3.10	34	10.73
4-12	1300	2.68	17	.06	4-13	0200	2.93	27	10.91
4-12	1330	3.26	40	.14	4-13	0300	2.71	18	11.05
4-12	1400	4.22	88	.61	4-13	0400	2.52	11	11.14
4-12	1415	4.46	103	.76	4-13	0500	2.43	7.2	11.20
4-12	1430	4.43	101	.91	4-13	0730	2.42	6.8	11.31
4-12	1500	3.81	68	1.52	4-13	0745	2.62	15	11.33
4-12	1530	3.13	35	1.68	4-13	0800	2.95	28	11.45
4-12	1600	2.80	22	1.89	4-13	0815	3.41	48	11.51
4-12	1700	2.64	16	2.01	4-13	0830	3.76	65	11.59
4-12	1730	2.90	26	2.07	4-13	0845	3.72	63	11.69
4-12	1745	3.98	76	2.15	4-13	0900	3.47	51	12.02
4-12	1800	5.78	189	2.91	4-13	1000	2.74	20	12.24
4-12	1820	7.06	289	3.40	4-13	1100	2.59	14	12.34
4-12	1830	6.97	282	3.69	4-13	1130	2.99	30	12.41
4-12	1845	6.74	263	4.12	4-13	1145	3.67	61	12.48
4-12	1900	6.60	252	5.58	4-13	1200	4.78	122	13.00
4-12	2000	6.30	228	7.07	4-13	1215	5.63	178	13.23
4-12	2015	5.99	203	7.40	4-13	1225	5.77	188	13.42
4-12	2030	5.51	170	7.69	4-13	1230	5.76	187	13.52
4-12	2045	4.92	130	7.92	4-13	1245	5.31	156	13.79
4-12	2100	4.36	97	8.57	4-13	1300	4.89	128	14.59
4-12	2130	3.68	61	8.81	4-13	1330	4.34	95	14.94
4-12	2200	3.55	55	9.23	4-13	1400	3.73	64	15.51
4-12	2230	3.64	59	9.41	4-13	1430	3.28	41	15.68
4-12	2300	3.72	63	9.85	4-13	1500	2.92	27	15.92
4-12	2330	3.52	53	10.03	4-13	1600	2.51	10	16.04
4-12	2400	3.22	39	10.36	4-13	1700	2.42	6.8	16.09
					4-13	1800	2.36	4.8	16.12
4-13	0030	3.13	35	10.48	4-13	2400	2.22	1	16.23

Flood hydrograph data--Continued

PEARL RIVER BASIN

02488700 Whitesand Creek near Oak Vale, Miss.

LOCATION.--Lat 31°28', long 89°58', in SW¼ sec.24, T.6 N., R.20 W., St. Stephens meridian, Lawrence County, near right bank on downstream side of bridge on State Highway 43, 1.2 miles (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 miles (3.7 km) north of Oak Vale, and 3.7 miles (6.0 km) upstream from mouth.

DRAINAGE AREA.--131 mi^2 (339 km^2).

PERIOD OF RECORD.--September 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft (55.535 m) above mean sea level (from information by Mississippi State Highway Department).

REMARKS.--See page 74 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	0600	3.82	143	.00	4-14	1200	12.96	7050	6.67
4-12	1200	4.09	199	.01	4-14	1500	11.76	5510	6.89
4-12	1400	4.88	409	.01	4-14	1800	10.91	4610	7.07
4-12	1500	5.11	494	.02	4-14	2400	9.49	3290	7.35
4-12	1800	5.34	596	.04					
4-12	1900	6.74	1320	.05	4-15	0300	8.86	2800	7.46
4-12	2000	9.19	3050	.08	4-15	0600	8.34	2440	7.55
4-12	2100	10.76	4460	.12	4-15	0900	7.89	2120	7.63
4-12	2200	12.38	6200	.19	4-15	1200	7.60	1920	7.70
4-12	2400	13.80	8250	.36	4-15	1800	7.20	1640	7.83
					4-15	2400	6.94	1460	7.94
4-13	0200	14.16	9310	.56					
4-13	0300	15.15	10600	.67	4-16	0600	6.64	1250	8.03
4-13	0400	16.52	14400	.82	4-16	1200	6.28	1040	8.12
4-13	0500	17.52	18800	1.02	4-16	1800	5.82	800	8.18
4-13	0600	18.31	22900	1.26	4-16	2400	5.45	628	8.23
4-13	0800	18.64	24700	1.83					
4-13	1000	18.19	22200	2.38	4-17	0300	5.35	582	8.25
4-13	1200	17.44	18400	2.86	4-17	0600	5.26	542	8.27
4-13	1500	17.14	17000	3.49	4-17	1200	5.13	487	8.31
4-13	1800	16.62	14300	4.05	4-17	2400	4.94	411	8.37
4-13	2100	15.81	12000	4.53					
4-13	2400	16.51	14300	5.00	4-18	1200	4.82	365	8.43
					4-18	2400	4.73	332	8.48
4-14	0300	16.81	15600	5.53					
4-14	0600	15.71	11900	6.01	4-19	1200	4.67	311	8.52
4-14	0900	14.26	8970	6.38	4-19	2400	4.61	290	8.57

Flood hydrograph data--Continued

PEARL RIVER BASIN

02489030 Elmers Draw near Columbia, Miss.

LOCATION.--Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington meridian, Marion County, at a 10x10 ft (3.05x3.05 m) box culvert on U.S. Highway 98, 5.7 miles (9.2 km) west of Columbia.

DRAINAGE AREA.--0.91 mi^2 (2.36 km^2).

PERIOD OF RECORD.--April 1955 to current year (annual peaks only prior to April 1965; all peaks above 80 ft^3/s or 2.27 m^3/s thereafter

GAGE.--Water-stage recorder. Prior to April 29, 1965, crest-stage gage at same site and datum.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1900	2.37	8.1	.00	4-12	2345	5.80	228	2.22
4-12	1915	2.48	11	.00	4-12	2400	5.45	197	2.55
4-12	1930	2.99	31	.01					
4-12	1945	3.43	53	.03	4-13	0015	5.09	168	2.63
4-12	2000	3.67	67	.12	4-13	0030	4.71	138	2.70
4-12	2030	4.27	106	.19	4-13	0045	4.37	113	2.75
4-12	2100	4.98	159	.46	4-13	0100	4.15	93	2.91
4-12	2130	5.47	199	.61	4-13	0130	3.79	74	2.99
4-12	2200	6.05	251	1.06	4-13	0200	3.55	60	3.12
4-12	2215	6.33	276	1.17	4-13	0300	3.35	49	3.21
4-12	2230	6.48	290	1.29	4-13	0400	3.29	46	3.29
4-12	2245	6.57	299	1.41	4-13	0600	3.16	39	3.44
4-12	2300	6.57	299	1.88	4-13	0900	2.83	23	3.60
4-12	2330	6.12	257	2.12	4-13	1200	2.62	16	3.70

Flood hydrograph data--Continued

PEARL RIVER BASIN

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°11', long 90°17', in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mile (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mile (0.3 km) upstream from Bars Branch, 2.2 miles (3.5 km) downstream from Topisaw Creek, and 9 miles (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi^2 (1,300 km^2).

PERIOD OF RECORD.--August 1944 to current year.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) above mean sea level.

REMARKS.--See page 76 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	0600	7.13	505	.00	4-14	1800	30.79	33500	3.16
4-12	1800	7.38	534	.02	4-14	2400	30.26	31700	3.76
4-12	2000	8.19	882	.02	4-15	0400	29.40	29200	4.14
4-12	2100	9.14	1320	.02	4-15	0800	28.00	26000	4.48
4-12	2200	10.08	1860	.03	4-15	1000	27.06	24100	4.64
4-12	2400	11.80	3100	.04	4-15	1200	26.16	22300	4.78
4-13	0200	13.47	4520	.07	4-15	1500	24.58	19200	4.97
4-13	0400	14.60	5600	.10	4-15	1800	22.92	16100	5.13
4-13	0600	16.27	7270	.14	4-15	2200	20.87	12700	5.31
4-13	0700	17.36	8360	.16	4-15	2400	19.99	11400	5.39
4-13	0800	18.75	9820	.19	4-16	0300	18.74	9810	5.49
4-13	0900	20.57	12300	.22	4-16	0700	17.40	8400	5.60
4-13	1000	22.87	16000	.27	4-16	1200	16.17	7170	5.72
4-13	1100	25.11	20200	.32	4-16	1800	14.94	5940	5.84
4-13	1200	26.90	23800	.39	4-16	2400	14.04	5040	5.94
4-13	1300	28.18	26400	.47	4-17	0600	13.15	4240	6.03
4-13	1400	29.12	28500	.55	4-17	1200	12.47	3640	6.10
4-13	1500	29.73	30100	.64	4-17	2400	11.20	2650	6.22
4-13	1700	30.19	31400	.83	4-18	0600	10.18	1930	6.26
4-13	2000	29.79	30300	1.12	4-18	1200	9.50	1510	6.29
4-13	2200	29.34	29100	1.30	4-18	2400	8.89	1200	6.34
4-13	2400	28.92	28100	1.48	4-19	1200	8.55	1030	6.38
4-14	0400	28.74	27600	1.82	4-19	2400	8.30	907	6.42
4-14	0700	29.26	28900	2.09					
4-14	1000	29.91	30600	2.36					
4-14	1300	30.48	32400	2.65					

Flood hydrograph data--Continued

BAYOU PIERRE BASIN

07290650 Bayou Pierre near Willows, Miss.

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington meridian, Claiborne County, near right bank at downstream side of bridge on county highway, 1.4 miles (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 miles (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi^2 (1,691 km^2).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.097 m) above mean sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--See page 108 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-11	2400	4.06	168	.00	4-14	0600	26.55	39700	3.47
					4-14	1000	26.64	41000	3.86
4-12	0300	4.04	164	.00	4-14	1300	26.60	40400	4.15
4-12	0600	4.72	383	.00	4-14	1700	26.45	38400	4.52
4-12	0700	5.33	690	.00	4-14	2200	26.37	37400	4.97
4-12	0800	6.23	1140	.00	4-14	2400	26.33	37000	5.15
4-12	0900	7.67	2060	.01					
4-12	1000	9.58	3520	.01	4-15	0100	26.26	36200	5.23
4-12	1100	12.02	5920	.02	4-15	0400	26.15	35200	5.49
4-12	1200	14.55	8450	.04	4-15	0700	25.84	32900	5.73
4-12	1300	17.91	12200	.06	4-15	0900	25.55	30800	5.88
4-12	1400	20.45	16100	.10	4-15	1100	25.00	27500	6.02
4-12	1500	21.66	18100	.14	4-15	1200	24.59	25600	6.08
4-12	1600	22.39	19400	.18	4-15	1300	24.05	23600	6.14
4-12	1700	22.98	20600	.23	4-15	1400	23.33	21400	6.19
4-12	1800	23.31	21400	.28	4-15	1500	22.47	19600	6.24
4-12	2000	23.90	23100	.39	4-15	1600	21.55	17900	6.29
4-12	2200	24.29	24400	.50	4-15	1700	20.55	16200	6.33
4-12	2400	24.66	25800	.62	4-15	2000		12000	6.43
					4-15	2400		7800	6.52
4-13	0100	24.87	26800	.68					
4-13	0300	25.14	28300	.81	4-16	0300		7100	6.57
4-13	0500	25.46	30300	.95	4-16	0600		6050	6.62
4-13	0700	25.76	32300	1.10	4-16	0900		5300	6.66
4-13	0900	26.19	35500	1.26	4-16	1200		4600	6.70
4-13	1100	26.46	38500	1.44	4-16	1800		3810	6.76
4-13	1300	26.81	43300	1.63	4-16	2400		3320	6.81
4-13	1400	26.97	45600	1.73					
4-13	1600	27.21	49200	1.96	4-17	0200		3190	6.82
4-13	1700	27.25	49800	2.08	4-17	0800		2870	6.87
4-13	1800	27.30	50500	2.20	4-17	1600		2500	6.92
4-13	1900	27.27	50000	2.32	4-17	2400		2270	6.96
4-13	2000	27.19	48800	2.43					
4-13	2200	27.05	46800	2.66	4-18	0200		2250	6.97
4-13	2400	26.89	44500	2.88	4-18	0800		2180	7.00
					4-18	1600		1890	7.04
4-14	0200	26.74	42400	3.08	4-18	2400		1780	7.08

Note:-- Discharge estimated from reconstructed graph Apr. 15 at 2000 to Apr. 18 at 2400.

Discharge, in cubic feet per second, water year October to September

Flood hydrograph data--Continued

HOMOCHITTO RIVER BASIN

07291000 Homochitto River at Eddiceton, Miss.

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington meridian, Franklin County, on left bank at upstream side of Mississippi Central Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mile (0.6 km) upstream from McCall Creek, and 0.8 mile (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi^2 (470 km^2), approximately.

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft (66.209 m) above mean sea level. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

REMARKS.--See page 109 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1300	1.15	172	.00	4-13	2300	16.39	30600	8.05
4-12	1600	1.26	202	.00	4-13	2400	15.66	27000	8.30
4-12	1700	2.03	464	.00					
4-12	1800	8.14	8100	.04	4-14	0200	14.02	21600	8.72
4-12	1900	11.45	15100	.14	4-14	0300	13.05	19000	8.89
4-12	2000	13.29	19700	.29	4-14	0400	11.84	16000	9.04
4-12	2100	14.66	23400	.47	4-14	0600	8.49	8680	9.25
4-12	2200	15.47	26200	.69	4-14	0800	6.09	4660	9.37
4-12	2400	16.14	29200	1.17	4-14	1100	6.95	6010	9.51
					4-14	1300	9.17	9970	9.64
4-13	0200	16.03	28700	1.66	4-14	1500	8.75	9160	9.81
4-13	0400	15.33	25600	2.13	4-14	1700	7.66	7190	9.95
4-13	0500	14.82	23900	2.34	4-14	2000	5.93	4260	10.10
4-13	0600	14.39	22600	2.54	4-14	2400	4.49	2530	10.21
4-13	0800	13.91	21300	2.92					
4-13	0900	14.21	22100	3.11	4-15	0300	3.71	1830	10.27
4-13	1000	15.14	24900	3.31	4-15	0800	2.96	1220	10.34
4-13	1100	16.07	28900	3.54	4-15	1200	2.60	980	10.37
4-13	1200	16.91	33700	3.81	4-15	1800	2.35	832	10.42
4-13	1300	17.63	38500	4.12	4-15	2400	2.10	695	10.46
4-13	1400	18.39	44300	4.48					
4-13	1500		50800	4.89	4-16	0600	1.92	600	10.49
4-13	1600		54500	5.34	4-16	1200	1.78	531	10.52
4-13	1700		55400	5.82	4-16	1800	1.68	487	10.55
4-13	1800		51700	6.28	4-16	2400	1.56	441	10.57
4-13	1900		47600	6.70					
4-13	2000		44200	7.10	4-17	0100	1.54	434	10.58
4-13	2100		38300	7.45	4-17	1200	1.39	382	10.62
4-13	2200	17.10	34800	7.77	4-17	2400	1.28	343	10.65

Note:-- Discharge estimated from reconstructed graph Apr. 13 at1200 to 2100.

Flood hydrograph data--Continued

HOMOCHITTO RIVER BASIN

07291260 Beaver Run near McCall Creek, Miss.

LOCATION.--Lat 31°30'30", long 90°43'10", in NW¼NW¼NE¼ sec.8, T.6 N., R.5 E., Washington meridian, Franklin County, at a 14x14 ft (4.27x4.27 m) box culvert on U.S. Highway 84, 1.4 miles (2.25 m) west of McCall Creek.

DRAINAGE AREA.--2.61 mi^2 (6.76 m^2).

PERIOD OF RECORD.--April 1955 to current year (annual peaks only prior to 1965; all peaks above 100 ft^3/s or 2.83 m^3/s thereafter).

GAGE.--Water-stage recorder. Prior to April 28, 1975, crest-stage gage at same site and datum.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1645	3.11	36	.00					
4-12	1700	3.75	98	.03					
4-12	1715	3.96	127	.05					
4-12	1730	4.33	179	.07	4-13	0900	6.89	554	3.52
4-12	1745	4.79	244	.10	4-13	0915	7.47	642	3.61
4-12	1800	5.22	304	.25	4-13	0930	8.09	741	3.71
4-12	1815	5.68	372	.30	4-13	0945	8.45	802	3.83
4-12	1830	6.13	440	.36	4-13	1000	8.74	851	4.28
4-12	1845	6.61	512	.43	4-13	1015	9.23	934	4.41
4-12	1900	7.06	579	.73	4-13	1030	9.83	1040	4.56
4-12	1915	7.64	669	.82	4-13	1045	10.43	1150	4.72
4-12	1930	8.48	807	.93	4-13	1100	10.78	1210	5.36
4-12	1940	8.54	817	1.01	4-13	1115	10.81	1220	5.54
4-12	2000	8.25	768	1.48	4-13	1130	10.67	1190	5.72
4-12	2015	7.88	708	1.59	4-13	1145	10.19	1100	5.89
4-12	2030	7.39	629	1.69	4-13	1200	9.55	989	6.46
4-12	2045	6.89	554	1.78	4-13	1215	8.85	870	6.60
4-12	2100	6.37	476	2.06	4-13	1230	8.19	757	6.72
4-12	2115	5.91	407	2.12	4-13	1245	7.70	679	6.83
4-12	2130	5.44	336	2.18	4-13	1300	7.23	605	7.18
4-12	2145	5.10	287	2.23	4-13	1400	7.16	594	7.53
4-12	2200	4.84	251	2.37	4-13	1415	7.03	575	7.62
4-12	2300	4.29	174	2.50	4-13	1430	7.11	587	7.70
4-12	2400	3.85	112	2.58	4-13	1500	7.47	642	8.13
					4-13	1515	7.47	642	8.22
4-13	0100	3.56	75	2.64	4-13	1530	7.45	639	8.32
4-13	0200	3.31	52	2.68	4-13	1545	7.51	649	8.42
4-13	0300	3.20	43	2.70	4-13	1600	7.47	642	8.77
4-13	0600	3.04	31	2.77	4-13	1700	6.71	527	9.11
4-13	0630	3.31	52	2.78	4-13	1730	6.02	423	9.25
4-13	0700	3.80	105	2.84	4-13	1800	5.20	301	9.51
4-13	0715	4.12	150	2.86	4-13	1830	4.66	225	9.58
4-13	0730	4.48	200	2.88	4-13	1900	4.28	172	9.72
4-13	0745	4.81	246	2.92	4-13	1930	3.98	130	9.77
4-13	0800	5.24	307	3.07	4-13	2000	3.71	92	9.84
4-13	0815	5.69	374	3.12	4-13	2100	3.50	69	9.89
4-13	0830	5.94	411	3.17	4-13	2200	3.33	54	9.93
4-13	0845	6.42	483	3.24	4-13	2400	3.16	40	9.98

Flood hydrograph data--Continued

HOMOCHITTO RIVER BASIN

07292500 Homochitto River at Rosetta, Miss.

LOCATION.--Lat 31°19'20", long 91°06'20", in sec.12, T.4 N., R.1 E., Washington meridian, Wilkinson County, on downstream side of bridge on State Highway 33 at Rosetta, 800 ft (240 m) downstream from Illinois Central Railroad bridge, 1 mile (1.6 km) downstream from Foster Creek, and 5 miles (8 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi^2 (1,940 km^2), approximately.

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year in reports of Geological Survey. February 1949 to September 1951 (gage heights and discharge measurements only) in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Datum of gage is 94.39 ft (28.770 m) above mean sea level. June 16 to Nov. 12, 1906, nonrecording gage at railroad bridge 800 ft (240 m) upstream at different datum.

REMARKS.--See page 110 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	0200	10.00	420	.00	4-14	1600	20.92	40200	9.25
4-12	1200	10.20	505	.00	4-14	1800	21.00	40800	9.42
4-12	1600	10.60	725	.01	4-14	2400	20.35	35600	9.89
4-12	1700	11.50	1390	.01					
4-12	1800	13.70	4720	.02	4-15	0400	19.50	29300	10.16
4-12	1900	15.80	10600	.03	4-15	0900	16.90	14600	10.34
4-12	2000	18.00	20000	.07	4-15	1000	15.20	10100	10.39
4-12	2100	20.00	32800	.12	4-15	1200	14.05	7970	10.43
4-12	2200	23.30	62600	.22	4-15	1600	13.45	6990	10.49
4-12	2300	25.90	99400	.39	4-15	2000	13.58	7190	10.55
4-12	2400	26.30	106000	.60	4-15	2400	13.55	7140	10.61
4-13	0200	26.25	105000	1.03	4-16	0600	13.10	6520	10.69
4-13	0400	25.75	97000	1.45	4-16	1200	11.65	4780	10.76
4-13	0600	25.00	86000	1.83	4-16	1800	10.88	3880	10.82
4-13	0800	24.85	83900	2.18	4-16	2400	10.72	3720	10.86
4-13	1000	25.50	93000	2.55					
4-13	1200	26.60	111000	2.97	4-17	0600	10.62	3620	10.91
4-13	1400	27.70	132000	3.47	4-17	1200	10.50	3500	10.95
4-13	1600	28.28	144000	4.04	4-17	1800	10.40	3400	11.00
4-13	1700	28.45	149000	4.34	4-17	2400	10.30	3300	11.04
4-13	2000	28.60	150000	5.27					
4-13	2200	28.40	147000	5.88	4-18	0600	10.20	3200	11.08
4-13	2400	28.08	140000	6.47	4-18	1200	10.00	3000	11.12
					4-18	2400	9.30	2300	11.18
4-14	0400	26.90	116000	7.53					
4-14	0800	24.80	83200	8.35	4-19	0600	9.10	2120	11.21
4-14	1000	23.40	63300	8.66	4-19	1200	8.95	1990	11.23
4-14	1200	21.80	47500	8.89	4-19	2400	8.75	1830	11.28

Flood hydrograph data--Continued

HOMOCHITTO RIVER BASIN

07294400 Observers Draw near Doloroso, Miss.

LOCATION.--Lat 31°19'10", long 91°21'20", between secs. 10 and 22, T.4 N., R.2 W., Washington meridian, Wilkinson County, at a 6x6-ft (1.83x1.83 m) box culvert on U.S. Highway 61, 1.3 miles (2.1 km) north of Doloroso.

DRAINAGE AREA.--0.22 mi^2 (0.57 km^2).

PERIOD OF RECORD.--May 1954 to current year (annual peaks only prior to May 1965; all peaks above 100 ft^3/s or 2.83 m^3/s thereafter).

GAGE.--Water-stage recorder. Prior to May 18, 1965, crest-stage gage. May 18, 1965, to Sept. 22, 1971, circular-chart recorders, all at same site and datum.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1415	2.25	3.3	.00	4-13	0400	2.30	4	4.35
4-12	1430	3.22	24	.02	4-13	0600	2.27	3.6	4.40
4-12	1445	3.73	39	.07	4-13	0700	2.51	7.2	4.44
4-12	1500	4.78	81	.46	4-13	0715	2.85	14	4.46
4-12	1515	4.62	75	.60	4-13	0730	3.64	36	4.50
4-12	1530	4.38	65	.72	4-13	0745	4.29	62	4.59
4-12	1545	4.44	68	.84	4-13	0800	4.72	79	5.05
4-12	1600	4.36	64	1.27	4-13	0815	4.45	68	5.18
4-12	1615	4.04	52	1.37	4-13	0830	4.09	54	5.28
4-12	1630	3.88	45	1.45	4-13	0900	3.95	48	5.70
4-12	1700	3.69	38	1.79	4-13	1000	3.10	20	5.94
4-12	1730	4.24	60	1.97	4-13	1200	2.59	8.8	6.14
4-12	1745	4.40	66	2.08	4-13	1400	2.42	5.8	6.25
4-12	1800	5.06	95	2.60	4-13	1530	2.36	4.9	6.30
4-12	1815	4.55	72	2.74	4-13	1545	2.49	6.9	6.31
4-12	1830	4.02	51	2.85	4-13	1600	2.70	11	6.37
4-12	1900	3.81	42	3.24	4-13	1615	3.04	18	6.40
4-12	2000	4.06	52	3.57	4-13	1630	3.47	31	6.44
4-12	2030	3.60	35	3.72	4-13	1645	3.67	37	6.50
4-12	2100	3.17	22	3.95	4-13	1700	3.46	31	6.72
4-12	2200	2.77	12	4.07	4-13	1800	2.93	16	6.89
4-12	2400	2.49	6.9	4.21	4-13	1900	2.79	13	6.99
					4-13	2000	2.58	8.6	7.06
4-13	0200	2.35	4.8	4.29	4-13	2400	2.32	4.3	7.25

GPO 904-061

Flood hydrograph data--Continued

BUFFALO RIVER BASIN

07295000 Buffalo River near Woodville, Miss.

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington meridian, Wilkinson County, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 miles (2.4 km) downstream from Fords Creek, 2.8 miles (4.5 km) west of Wilkinson, and 8.5 miles (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi^2 (471 km^2).

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) above mean sea level. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft (0.914 m) higher.

REMARKS.--See page 111 for complete water year data.

GAGE HEIGHT, IN FEET; DISCHARGE, IN CUBIC FEET PER SECOND; AND ACCUMULATED RUNOFF, IN INCHES, AT INDICATED TIME, 1974

DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF	DATE	TIME	GAGE HEIGHT	DISCHARGE	ACCUM-RUNOFF
4-12	1300	5.30	295	.00	4-14	1200	10.20	5300	6.13
4-12	1700	5.35	312	.01	4-14	1400	11.76	9580	6.26
4-12	1800	6.12	665	.01	4-14	1900	10.88	6960	6.54
4-12	1900	9.06	3410	.03	4-14	2100	9.66	4320	6.68
4-12	2000	13.06	13500	.10	4-14	2400	8.88	3160	6.78
4-12	2100	15.94	24700	.26					
4-12	2200	17.85	33200	.51	4-15	0400	8.01	2140	6.87
4-12	2300	19.02	39000	.82	4-15	1200	7.18	1360	6.99
					4-15	2400	6.62	953	7.11
4-13	0100	19.56	41700	1.50					
4-13	0200	19.51	41400	1.86	4-16	1200		940	7.20
4-13	0400	18.90	38400	2.54	4-16	2400		815	7.29
4-13	0500	17.59	31800	2.83					
4-13	0600	15.60	23300	3.07	4-17	1200		705	7.37
4-13	0800	12.13	10700	3.36	4-17	2400		555	7.44
4-13	1200	13.63	15400	3.80					
4-13	1500	14.85	20300	4.26	4-18	1200		415	7.49
4-13	1800	15.71	23700	4.82	4-18	2400		370	7.53
4-13	2100	14.10	17300	5.34					
4-13	2400	11.06	7480	5.66	4-19	1200		330	7.56
					4-19	2400		264	7.59
4-14	0200	10.33	5590	5.77					
4-14	0400	9.82	4580	5.86	4-20	1200		179	7.61
4-14	0900	8.89	3180	6.02					

Note:-- Discharge estimated from reconstructed graph Apr. 16 at 1200 to Apr. 20.

Summary of flood stages and discharges

Number	Stream and place of determination	Drainage area (mi²)	River mile	Datum of gage (ft)	Maximum previously known				Maximum April 1974		
					Period	Year	Gage height (ft)	Discharge (ft³/s)	Date	Gage height (ft)	Discharge (ft³/s)
	Pascagoula River basin										
02471100	Leaf River at State Highway 18, 6 miles east of Raleigh	143	143.4	msl	1957-73	1961	301.93	14,500	13	303.11 lu302.8 ru304.5 ld302.2 rd301.1	17,000
02471250	Leaf River at State Highway 28, near Taylorsville	466	125.8	msl	1968-73	1969	247.75	11,200	13	257.44 u258.2 d255.9	40,000
02471500	Oakohay Creek at State Highway 28, at Mize	171		274.18	1944-49 1961, 1967-73	1961	15.13	13,000	13	17.26	28,900
02471900	Oakohay Creek at State Highway 37, near Hot Coffee								13	u242.5 d241.2	
02472000	Leaf River at U.S. Highway 84, near Collins	752	114.5	197.48	1938-73	1961 1856 1900	31.85 33 32	48,500	13	32.43 u34.7 d32.4	52,000
	Etehoma Creek at State Highway 15, near Bay Springs		23.4	msl		1964	351.7		13	351.3	
	Etehoma Creek at county road, sec.20, T.1 N., R.10 E., 3.7 miles north of Stringer		20.6	msl		1964	u328.8 d328.1		13	328.4	
02472030	Etehoma Creek at State Highway 15, 1.4 miles north of Stringer		18.0	msl		1964	u310.4 d307.7		13	u310.2 d308.2	
	Etehoma Creek at county road, sec.2, T.10 N., R.13 W., 1.1 miles west of Stringer		16.7	assumed		1964	u49.6 d47.0		13	u49.2 d47.3	
	Etehoma Creek at county road, sec.34, T.10 N., R.13 W., 2.6 miles north of Soso		11.7	assumed					13	u10[illegible].5 d9[illegible].4	
	Etehoma Creek at State Highway 28, 2.4 miles northwest of Soso		9.8	msl		1964	u261.4 d260.8		13	u262.4 d261.3	
	Etehoma Creek at I.C. Railroad, sec.9, T.9 N., R.13 W., 2.4 miles northwest of Soso		7.7	msl		1964	u259.3 d258.5		13	258.5	
	Etehoma Creek at county road, sec.28, T.9 N., R.13 W., 3.6 miles south of Soso		5.8	assumed		1964	d51.7		13	51.8	
02472100	Big Creek at State Highway 84, 14.4 miles west of Laurel		3.4	msl		1964	223.1		13	u224.9 d224.1	

Summary of flood stages and discharges—Continued

Number	Stream and place of determination	Drainage area (mi²)	River mile	Datum of gage (ft)	Maximum previously known				Maximum April 1974		
					Period	Year	Gage height (ft)	Discharge (ft³/s)	Date	Gage height (ft)	Discharge (ft³/s)
	Pascagoula River basin—Continued										
02472160	Big Creek tributary at U.S. Highway 84, 11.4 miles west of Laurel	0.17			1966-73	1973	6.34	202	13	5.62	155
02472170	Leaf River at State Highway 588, near Ellisville		101.7	msl		1961	d208.4			u210.4 d210.0	
02472360	Leaf River at State Highway 590, southwest of Ellisville		94.9	msl						201.2	
	Leaf River at State Highway 598, 2.5 miles northwest of Moselle		91.6	msl		1961	195.2			196.2	
	Leaf River at I-59, 1 mile west of Moselle		88.5	msl	a1880	1900	189			u189.6 d189.1	
02472370	Leaf River in SE¼ sec.9, T.6 N, R.13 W, 1.5 miles west of Moselle		87.8	msl		1961	u186.1 d185.1			d187.1	
02472373	Leaf River at county highway, 1 mile west of Estabutchie		82.1	msl		1961	166.7			168.5	
02472380	Bowie Creek at U.S. Highway 84 near Prentiss, 11.5 miles west of Collins	57	47.6	msl		1961	346.91			lu353.3 ru351.2 ld352.7 rd346.9	
02472381	Bowie Creek at State Highway 35 near Prentiss		46.3	msl		1961	334.4			u339.2 d335.7	
	Bowie Creek at county road, in sec.19, T.7 N., R.16 W., 8 miles west of Seminary		40.3			1961	274.6			278.2	
	Bowie Creek at county road, in sec.34, T.7 N., R.16 W., 5.7 miles southwest of Seminary		35.7							254.7	
02472393	Bowie Creek at county road, in sec.12, T.6 N., R.16 W., 5.5 miles southwest of Seminary		30.5			1961	236.6			238.2	
02472420	Bowie Creek at State Highway 589 near Sanford	262	26.6	msl	1961, 1968-73	1961	d222.0			u222.7 d221.7	
02472500	Bowie Creek at U.S. Highway 49 near Hattiesburg	304	16.1	160.04	1939-73	1961	b26.54 c26.92	34,800	14	28.18 u28.9 d27.8	45,500
02472546	Okatoma Creek at county highway east of Magee	24	37.7	msl		1972	u367.4 d366.7		12	u371.9 d369.6	12,100
02472550	Okatoma Creek at State Highway 28 near Magee	38	36.2	msl		1961	u364.9	e9,000		u367.2 d364.8	16,100

Summary of flood stages and discharges--Continued

Number	Stream and place of determination	Drainage area (mi²)	River mile	Datum of gage (ft)	Maximum previously known				Maximum April 1974		
					Period	Year	Gage height (ft)	Discharge (ft³/s)	Date	Gage height (ft)	Discharge (ft³/s)
	Pascagoula River basin--Continued										
02472600	Okatoma Creek at State Highway 35, at Mt. Olive		28.3	msl		1961	d319.6			u325.5 d323.8	
02472700	Okatoma Creek tributary at State Highway 532, 0.3 mile east of Mt. Olive	0.33			1965-73	1965	4.69	163		6.21	318
02472800	Okatoma Creek at U.S. Highway 84 at Collins		18.6	msl		1961	u277.1 d276.0			u280.8 d280.1	
02472820	Okatoma Creek at State Highway 590 at Seminary		11.7	msl						d247.5	
02472860	Okatoma Creek at county highway at Lux			msl						u188.9 d188.5	
02472940	Bowie Creek at I-59 near Hattiesburg		5.8	msl		1961	u164.3 d163.2			u165.7 d164.5	
02472945	Bowie Creek at Glenndale Road at Hattiesburg		2.4	msl		1961	u155.4 d153.5			u154.9 d153.8	
02473000	Leaf River at U.S. Highway 11 at Hattiesburg	1,760	71.8	118.23	1939-73	1961	31.53	72,200	15	34.03	121,000
02473320	Leaf River at county highway 1 mile northeast of McCollum		58.8	msl		1961	126			130.9	
02473360	Leaf River at county highway 1.5 miles north of Mahned		48.6	msl		1961	113.6			113.2	
	Tallahala Creek at State Highway 18, 11.2 miles northeast of Bay Springs			msl		1964	lu341.7 ld339.9 rd339.4		13	lu341.3 ld339.3 ru341.1 rd338.9	
02473460	Tallanala Creek at State Highway 528, 0.8 miles east of Waldrup	f100		msl		1964	lu315.6 ru315.0 d313.4		13	313.2	17,900
02473480	Tallahattah Creek at county road, 8.7 miles south of Waldrup	30.7		265.25		1961	u19.6 d17.1		13	18.14	
02473490	Tallahala Creek at county road, 2.4 miles west of Sandersville			msl		1964	ru255.9 d254.3		14	d254.41	
	Tallahala Creek at U.S. Highway 11, 2.2 miles northeast of Laurel			msl		1964	lu236.5 ru235.9 d235.2		14	rd236.2	
02473496	Tallahala Creek at Interstate Highway 59, at Laurel			msl	1961, 1964	1964	lu234.9 ru232.8 d231.4		14	lu234.5 ru232.5 d231.4	

Summary of flood stages and discharges--Continued

Number	Stream and place of determination	Drainage area (mi²)	River mile	Datum of gage (ft)	Maximum previously known				Maximum April 1974		
					Period	Year	Gage height (ft)	Discharge (ft³/s)	Date	Gage height (ft)	Discharge (ft³/s)
	Pascagoula River basin--Continued										
	Tallahala Creek at U.S. Highway 84, 1.6 miles east of Laurel			msl	1961, 1964	1964	1u228.2 ru229.9 1d226.6 rd227.8		14	u229.2 1d228.6 rd228.4	
02473500	Tallahala Creek at State Highway 15 at Laurel	233		201.37	1939-73	1964	23.13	21,100	14	23.28	23,300
	Tallahala Creek at county road, 1.9 miles southeast of Laurel			msl		1964	ru222.4 1d220.3		14	d220.8	
	Tallahala Creek at Walters Creek at Southern Railway			msl					14	206.5	
	Tallahala Creek at Walters Creek tributary at Southern Railway								14	202.6	
02473790	Tallahoma Creek at State Highway 18		30.6	msl		1964	u330.2 d329.7			u330.3 d329.8	
02473804	Tallahoma Creek at State Highway 528 near Lake Como		27.2	msl		1964	u312.8 d312.5			u312.9 d312.6	
02473850	Tallahoma Creek tributary at State Highway 528 at Lake Como	3.21			1964-73	1964	12.27	3,120	12	9.34	1,780
02474000	Tallahoma Creek at State Highway 15 near Moss	149	7.7	msl	1940-48 1961, 1964	1964	249.03	12,700		u250.3 rd249.7 1d248.2	
02474110	Tallahoma Creek at U.S. Highway 84, 1.5 miles west of Laurel		3.7	msl		1964	1u221.5 1d221.0			1u222.5 ru221.4 1d222.0 rd221.0	
02474160	Tallahoma Creek at Interstate Highway 59 at Ellisville		1.1	msl		1964	u203.8 d203.5			u204.4 d203.9	
02474200	Tallahala Creek at county road, 1.0 mile northeast of Ellisville			msl		1964	u201.1 d200.6		15	201.3	
02474300	Tallahala Creek at State Highway 29, 2.0 miles southeast of Ellisville			msl	1961, 1964	1964	1u198.1 ru199.0 d197.5		15	1u198.3 ru199.7 d196.8	
02474330	Tallahala Creek at county road, 9.0 miles south of Ellisville			msl		1964	174.6		15	175.1	
02474480	Tallahala Creek at State Highway 42, at Runnelstown			msl	1961, 1964	1961	u146.6 d145.8		16	144.6	
02474500	Tallahala Creek at county road, 3.0 miles south of Runnelstown	612		104.58	1940-73	1900 1961	g35.5 b29.84 c30.07	32,800	16	28.44	27,900

Summary of flood stages and discharges--Continued

Number	Stream and place of determination	Drainage area (mi²)	River mile	Datum of gage (ft)	Maximum previously known				Maximum April 1974		
					Period	Year	Gage height (ft)	Discharge (ft³/s)	Date	Gage height (ft)	Discharge (ft³/s)
	Pascagoula River basin--Continued										
02474560	Leaf River at State Highway 29 near New Augusta			msl		1961	4107.2			1u108.8 ru107.6 d107.2	
02474680	Leaf River at county highway, 2 miles north of Wingate		38.2	msl		1961	101.0			101.5	
02474740	Leaf River at State Highway 15 at Beaumont	3,120	29.8	msl		1961	u89.9 d89.4			u89.6 d88.6	
	Leaf River at county highway, in sec.20, T.2 N., R.8 W., 1 mile northeast of McLain		17.9	msl		1961	77.7			79.1	
02475000	Leaf River at U.S. Highway 98 near McLain	3,510	14.6	42.15	1940-73	1961 1900	31.64 32	128,000	18	30.38 u31.4	110,000
02479000	Pascagoula River at Merrill	6,600	80.8	26.25	1931-73	1961	30.66	178,000	19	28.37	139,000
	Pearl River basin										
02486000	Pearl River at Woodrow Wilson Bridge at Jackson	3,100	287.6	234.90	1902-13 1929-73	1902	37.5	85,000	19	34.36	40,200
02487230	Strong River at State Highway 481, 3.4 miles southeast of Morton	16	61.2	msl	1959-73	1959	409.75	2,500	13	411.23 u412.4 d411.2	4,500
	Strong River at Interstate 20, 5.3 miles southeast of Morton		60.8	msl					13	u409.0 14407.8 rd407.3	
02487240	Strong River at county road, in sec.18, T.5 N., R.7 E., 1.2 miles west of Pulaski		58.1	msl					13	394.1	
02487270	Strong River at county road, in sec.24, T.4 N., R.6 E., 4.0 miles southeast of Polkville		51.0	msl					13	362.5	
02487300	Strong River at State Highway 18, 2 miles southeast of Puckett	260	39.7	294.97	1950, 1958-73	1950	27.06	19,300	13	26.78 u27.4 d26.8	18,000
	Strong River at county road, in sec.18, T.2 N., R.5 E., 5.2 miles northeast of Mendenhall		34.3	msl					13	d307.0	
	Strong River at State Highway 13, 4.0 miles northeast of Mendenhall		32.9	msl					14	1u299.8 ru302.7 d300.7	
	Strong River at new U.S. Highway 49, 1.0 mile northeast of D'Lo		29.7	msl					14	u295.0 d294.4	

Summary of flood stages and discharges—Continued

Number	Stream and place of determination	Drainage area (mi²)	River mile	Datum of gage (ft)	Maximum previously known				Maximum April 1974		
					Period	Year	Gage height (ft)	Discharge (ft³/s)	Date	Gage height (ft)	Discharge (ft³/s)
	Pearl River basin—Continued										
02487500	Strong River at old U.S. Highway 49 at D'Lo	429	27.8	257.99	1900, 1928-73	1900 1950	f33 33.0	24,800	14	d32.75	24,000
	Strong River at county road, in sec.26, T.1 N., R.3 E., 1.5 miles north of Pinola		17.2	msl					14	u263.7 d263.3	
	Strong River at State Highway 28, 2 miles west of Pinola		14.1	msl					14	u255.1 d253.7	
02487000	Pearl River at State Highway 28, 1.7 miles east of Georgetown	3,790	231.7	msl		1962	226.9			224.4	
02487900	Copiah Creek at State Highway 28, 6.2 miles east of Hazlehurst	48.6		283.42	1948-73	1965	24.49	22,000	13	22.24	14,200
02488000	Pearl River at county road, 2.0 miles southeast of Rockport	4,600	221.7	msl	1939-73	1962	217.6		14	u216.7	
02488250	Pearl River backwater at truss bridge on county road, 1.0 mile north of Wanilla		204.9	msl		1962	203.9		14	205.8	
	Pearl River at I.C. Railroad trestle, 1.0 mile east of Wanilla		202.7	msl		1962	201.2		14	203.7	
02488460	Pearl River at county road bridge, in sec.35, T.8 N., R.21 W., at St. Regis Paper Company near Rosella		199.5	msl					14	u200.5 d199.5	
02488500	Pearl River at U.S. Highway 84, 1.0 mile east of Monticello	5,040	190.8	158.66	1902 1939-73	1902 1962	f33 29.64	f100,000 63,500	14	32.28 lu32.9 ru33.8 ld31.9 rd33.5	78,200
02488720	Pearl River at county road, 0.4 mile south of Tilton		166.3	msl		1962	168.7		14	172.3	
02488780	Pearl River at Morgantown		151.5	msl		1962	157.3		15	158.8	
	Pearl River at State Highway 13, 35 bypass near Columbia			msl		1962	146.0		15	u149.4 d148.4	
	Pearl River at Fernwood, Columbia & Gulf Railroad at Columbia		138.7	msl		1962	141.8		15	144.8	
02489000	Pearl River at U.S. Highway 98 at Columbia	5,690	137.8	msl	1874 1929-54 1956-73	1874 1938	f147 142.21	72,600	15	143.06 lu143.7 ru144.4 ld141.8 rd141.2	93,900

Summary of flood stages and discharges--Continued

Number	Stream and place of determination	Drainage area (mi^2)	River mile	Datum of gage (ft)	Maximum previously known				Maximum April 1974		
					Period	Year	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
	Pearl River basin--Continued										
02489252	Lower Little Creek at State Highway 43, 9 miles south of Columbia	120		msl	1960, 1961	1960	126.81		13	126.79	
	Pearl River backwater at Lower Little Creek at State Highway 43		121.9	msl	1938, 1962	1938 1962	123.39 120.20		17	125.52	
	Pearl River backwater at Clear Creek at State Highway 43, 16 miles south of Columbia		108.2	msl					17	111.28	
02489500	Pearl River at Louisiana State Highway 10, near Bogalusa, La.	6,630	78.2	55.00	1939-73	1961	21.70	88,200	17	22.13	99,000
	Homochitto River basin										
	Homochitto River at State Highway 550, 4 miles west of Caseyville		77.7	msl	1961, 1965	1965	321.2		13	u322.5 d322.1	
07290950	Homochitto River at county highway, 6.5 miles northeast of McCalls Creek		71.3	msl		1965	281.5		13	283.1	
	Homochitto River at U.S. Highway 84 near Eddiceton	180	62.8	msl	1939-73	1939 1964	 lu235.1 ru234.7 ld234.6 rd332.8	30,900	13	lu238.4 ru238.0 ld237.4 rd234.4	
07291000	Homochitto River near Eddiceton at Mississippi Central Railroad bridge (gage)	180	62.6	217.22	1942-73	1965	16.82	29,400	13	19.53	55,400
07291500	Homochitto River at U.S. Highway 98 near Bude	399	55.5	msl	1942-65	1965	ld202.61		13	lu208.3 ru207.2 ld205.6 rd205.7	
07292500	Homochitto River near Rosetta	750	30.0	94.39	1952-73	1953 1965	36.03 29.30	 141,000	13	28.60	150,000
07294500	Homochitto River at U.S. Highway 61 near Dolorosa	1,120	9.5	msl	1938-73	1938	80.7		13	74.70	

a Flood history since date.
b In gage well.
c Outside gage well.
e Estimated.
f Approximately.
g Maximum stage known since 1865, from information by local resident.

u Upstream.
d Downstream.
l Left.
r Right.

PART 2. WATER QUALITY RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MISS.

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw meridian, Tishomingo County, at gaging station at old crossing 0.1 mile (0.2 km) downstream from bridge on State Highway 4, at Narrows dam site, 6 miles (9.7 km) southwest of Dennis, and 10 miles (16.1 km) upstream from confluence with Big Brown Creek.

DRAINAGE AREA.--66.8 mi² (173 km²).

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)
DEC.											
20...	1630	178	2.5	--	--	9	0	7	3.4	1.6	.1
MAR.											
25...	1700	137	--	--	--	--	--	--	--	--	--
APR.											
03...	1400	152	7.6	--	--	--	--	--	--	--	--
22...	1100	155	--	2.1	1.0	12	--	10	2.7	2.2	--
MAY											
06...	1030	152	--	--	--	--	--	--	--	--	--
21...	1130	95	--	5.3	1.0	14	--	11	--	--	--
JUNE											
03...	1100	160	--	3.5	.8	9	--	7	3.6	1.1	--
17...	1000	100	--	3.8	.9	12	--	10	--	--	--
JULY											
01...	1130	72	--	4.1	1.0	12	0	10	3.1	2.1	--
15...	1300	60	--	2.7	.9	12	0	10	--	--	--
29...	1130	70	--	2.8	.6	15	--	12	2.8	1.7	--
AUG.											
21...	1100	55	--	1.9	1.0	25	0	21	--	--	--
SEP.											
03...	1500	187	--	1.3	.4	10	0	8	3.7	3.5	--
19...	1330	69	--	.7	.9	13	0	11	--	--	--

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)
DEC.											
20...	--	--	--	.11	--	--	--	--	--	--	--
MAR.											
25...	--	--	--	--	--	--	--	--	--	--	--
APR.											
03...	--	--	.05	--	.04	.26	.30	.35	1.6	.11	--
22...	.07	.01	.08	--	.29	.20	.49	.57	2.5	.04	.02
MAY											
06...	--	--	--	--	--	--	--	--	--	--	--
21...	.10	.01	.11	--	.03	.24	.27	.38	1.7	.03	.01
JUNE											
03...	.09	.01	.10	--	.05	.41	.46	.56	2.5	.04	.03
17...	.10	.00	.10	--	.05	.28	.33	.43	1.9	.02	.00
JULY											
01...	.06	.00	.06	--	.00	.21	.21	.27	1.2	.01	.01
15...	.11	.00	.11	--	.06	.57	.63	.74	3.3	.03	--
29...	.06	.01	.09	--	.01	.38	.39	.48	2.1	.02	.01
AUG.											
21...	.08	.01	.08	--	.01	.27	.28	.37	1.6	.04	.03
SEP.											
03...	.08	.01	.09	--	.05	.50	.55	.66	2.9	.03	.01
19...	.05	.04	.05	--	.01	.22	.23	.29	1.2	.02	.03

02430000 MACKEYS CREEK NEAR DENNIS, MISS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	40	32	---	---	---	27	40	31	---	---	---	---
2	32	26	---	---	---	30	33	31	---	---	---	---
3	43	30	---	---	---	---	42	31	---	---	---	---
4	40	30	---	---	---	27	33	31	---	---	---	---
5	56	35	---	---	---	26	34	31	---	---	---	---
6	58	53	34	32	---	33	32	30	---	---	---	---
7	60	53	---	---	---	---	32	31	---	---	---	---
8	58	54	---	---	---	---	31	30	---	---	---	---
9	59	55	48	40	46	---	38	28	---	---	---	---
10	55	36	44	40	55	---	30	28	---	---	---	---
11	41	33	44	42	---	---	---	---	---	---	---	---
12	---	---	---	---	57	---	---	---	---	---	---	---
13	---	---	---	---	38	---	---	---	---	---	---	---
14	---	---	---	---	37	---	40	29	---	---	---	---
15	---	---	---	---	---	---	46	29	---	---	---	---
16	---	---	48	40	---	---	31	30	---	---	---	---
17	---	---	---	---	---	---	32	30	---	---	---	---
18	---	---	---	---	---	---	32	31	---	---	---	---
19	---	---	46	31	---	---	32	30	---	---	---	---
20	---	---	45	31	---	---	30	26	---	---	---	---
21	45	30	41	28	31	30	41	26	---	---	---	---
22	35	32	---	---	32	31	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	37	33	---	---
26	---	---	---	---	---	---	---	---	30	23	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	32	30	---	---	36	33	---	---	---	---	---	---
5	37	32	---	---	36	30	---	---	---	---	---	---
6	37	30	34	29	37	30	---	---	---	---	---	---
7	34	27	38	33	40	23	---	---	---	---	---	---
8	30	26	37	33	36	28	38	36	---	---	---	---
9	---	---	37	35	33	31	39	26	---	---	---	---
10	---	---	---	---	36	32	39	36	---	---	---	---
11	---	---	---	---	35	32	41	36	---	---	---	---
12	---	---	---	---	35	32	36	23	40	38	---	---
13	---	---	---	---	34	33	45	36	38	33	---	---
14	---	---	---	---	35	24	---	---	39	36	---	---
15	---	---	---	---	44	23	---	---	40	38	---	---
16	---	---	---	---	---	---	43	36	42	41	---	---
17	---	---	---	---	38	24	43	37	44	41	---	---
18	---	---	---	---	42	37	43	33	45	39	---	---
19	---	---	---	---	43	36	---	---	47	42	---	---
20	---	---	---	---	43	39	---	---	47	45	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	36	34	---	---	---	---	---	---	---	---	---	---
25	35	32	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	36	34	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
WTR YR	93	23										

02430000 MACKEYS CREEK NEAR DENNIS, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
DEC.											
20...	--	.02	.06	--	--	--	--	--	33	6.1	6.0
MAR.											
25...	--	--	--	--	--	--	--	--	40	6.5	10.0
APR.											
03...	--	--	--	26	.04	10.7	--	--	30	6.5	18.0
22...	--	--	--	26	.04	10.9	9	0	31	6.7	18.5
MAY											
06...	--	--	--	--	--	--	--	--	--	--	--
21...	.05	--	--	40	.05	10.3	17	6	39	6.3	24.0
JUNE											
03...	.02	--	--	28	.04	12.1	12	5	32	5.5	21.0
17...	.03	--	--	23	.03	6.21	13	3	38	6.4	21.5
JULY											
01...	.01	--	--	40	.05	7.78	14	5	35	6.2	22.0
15...	.01	--	--	42	.06	6.80	10	1	65	6.1	25.0
29...	.02	--	--	45	.06	8.51	9	0	35	7.0	25.5
AUG.											
21...	.01	--	--	44	.06	6.53	9	0	38	5.8	23.0
SEP.											
03...	.02	--	--	18	.02	9.09	5	0	32	6.6	21.0
19...	.01	--	--	38	.05	7.08	5	0	34	5.9	20.5

DATE	COLOR (PLAT-INUM-COBALT UNITS)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO) (MGL)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	TOTAL MERCURY (HG) (UG/L)
DEC.											
20...	--	--	--	--	1[illegible]	--	--	--	--	--	--
MAR.											
25...	--	9.6	--	--	--	--	--	--	--	--	--
APR.											
03...	--	7.3	16	--	--	--	--	--	--	--	--
22...	60	8.4	8	--	.8	--	--	--	7.7	0	--
MAY											
06...	--	--	--	.8	--	--	--	--	--	--	--
21...	100	7.0	4	.6	1[illegible]	500	100	150	--	--	--
JUNE											
03...	70	8.2	12	5.0	6[illegible]	--	--	--	8.5	1	.7
17...	100	8.1	10	--	[illegible]6	--	--	--	6.9	--	--
JULY											
01...	100	8.0	13	--	1[illegible]	--	--	--	5.4	2	.0
15...	70	8.5	6	2.0	1[illegible]	--	--	--	9.5	--	--
29...	80	8.3	2	1.3	.8	--	--	--	7.0	2	.1
AUG.											
21...	50	8.3	--	.5	8[illegible]	--	--	--	20	--	--
SEP.											
03...	50	8.0	20	--	6	--	--	--	--	0	.0
19...	70	9.2	12	2.2	2[illegible]	--	--	--	3.5	--	--

02430000 MACKEYS CREEK NEAR DENNIS, MISS.--Continued

PH (UNITS) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.1	6.3	5.5	5.1	7.2	5.6	5.6	5.2	---	---	5.8	5.5
2	6.9	6.3	5.6	5.4	6.8	5.8	5.9	5.3	---	---	5.8	5.6
3	6.2	5.8	---	---	---	---	6.6	4.9	---	---	6.0	5.6
4	6.3	5.8	5.8	5.6	---	---	---	---	6.4	5.4	6.0	5.7
5	6.0	5.6	6.6	6.2	---	---	---	---	6.6	6.1	6.0	5.8
6	6.6	5.6	6.6	5.9	---	---	6.6	5.3	---	---	6.0	5.7
7	5.8	5.4	6.5	6.1	---	---	6.3	5.4	---	---	5.8	5.5
8	5.8	5.5	6.5	6.1	---	---	7.3	5.3	---	---	6.2	5.5
9	6.2	5.9	6.3	5.9	---	---	6.8	5.8	6.9	6.6	5.6	5.2
10	6.8	5.6	6.3	5.7	---	---	6.9	5.5	7.0	6.6	5.4	5.0
11	5.9	5.6	6.3	5.7	---	---	---	---	7.0	6.4	5.4	5.0
12	6.5	6.0	6.3	5.6	---	---	---	---	6.9	6.5	6.5	5.0
13	7.1	5.0	6.2	5.6	---	---	---	---	---	---	6.5	5.0
14	---	---	5.9	5.6	---	---	---	---	---	---	6.7	5.0
15	---	---	5.7	5.0	---	---	---	---	---	---	---	---
16	---	---	6.8	5.9	---	---	---	---	---	---	---	---
17	---	---	7.2	5.9	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	6.1	5.0	---	---	---	---	---	---	---	---
20	---	---	6.9	6.2	5.9	5.7	---	---	---	---	---	---
21	5.9	5.4	---	---	6.2	5.8	---	---	---	---	---	---
22	5.7	5.4	---	---	6.1	5.7	---	---	---	---	---	---
23	5.6	5.3	---	---	6.2	6.0	---	---	---	---	---	---
24	---	---	---	---	6.1	6.0	---	---	---	---	---	---
25	6.6	5.1	---	---	6.0	5.8	---	---	6.0	5.3	---	---
26	7.8	5.2	---	---	5.8	5.3	---	---	6.0	5.4	---	---
27	6.4	5.2	---	---	5.7	5.3	---	---	5.8	5.4	---	---
28	---	---	---	---	5.7	5.3	---	---	5.7	5.4	---	---
29	---	---	5.3	4.9	5.8	5.4	---	---	---	---	---	---
30	---	---	5.6	5.3	5.9	5.4	---	---	---	---	---	---
31	---	---	---	---	5.8	5.3	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	6.2	5.7	---	---	7.2	6.9	---	---	---	---
2	---	---	6.6	6.1	---	---	7.0	6.9	---	---	---	---
3	---	---	6.8	6.0	---	---	6.9	6.2	---	---	6.9	6.0
4	6.5	6.2	6.9	6.2	---	---	6.4	6.3	---	---	6.3	6.5
5	7.2	6.3	7.2	6.6	---	---	7.1	5.7	---	---	6.9	5.8
6	7.1	6.2	6.8	5.5	---	---	6.2	5.7	7.1	6.8	6.0	5.5
7	7.1	6.5	5.3	5.0	---	---	6.5	6.2	7.1	7.0	6.8	5.1
8	6.9	6.1	5.1	5.3	---	---	6.6	6.5	7.0	6.7	6.5	5.1
9	6.7	5.9	6.0	5.1	---	---	6.9	6.3	7.0	6.8	6.5	5.4
10	---	---	5.4	5.1	---	---	7.1	6.9	7.0	6.8	---	---
11	---	---	5.1	4.6	---	---	7.1	6.9	6.8	6.6	---	---
12	---	---	5.1	4.5	6.1	5.5	7.0	6.2	7.2	6.6	---	---
13	---	---	5.1	4.6	6.2	5.2	---	---	7.2	6.8	---	---
14	---	---	5.4	5.0	6.2	5.0	---	---	7.1	6.9	---	---
15	---	---	5.2	4.5	6.1	5.5	---	---	7.2	7.0	---	---
16	---	---	5.3	4.9	5.9	5.3	---	---	7.2	7.1	---	---
17	---	---	5.7	5.0	5.9	5.0	7.3	7.2	---	---	---	---
18	---	---	6.2	5.2	6.0	5.1	7.2	7.1	---	---	---	---
19	---	---	---	---	6.0	5.5	7.3	7.1	---	---	---	---
20	---	---	---	---	5.9	5.3	7.5	6.7	6.8	6.6	---	---
21	---	---	---	---	6.0	5.8	6.8	6.0	6.9	6.7	---	---
22	---	---	---	---	6.1	5.9	6.6	5.5	6.8	6.6	---	---
23	---	---	---	---	6.3	6.1	6.7	6.6	6.5	6.2	---	---
24	6.0	5.6	---	---	6.6	6.3	6.7	6.5	6.6	6.2	---	---
25	6.2	5.6	---	---	6.7	6.5	6.6	6.5	6.5	6.6	---	---
26	6.1	5.8	---	---	6.6	6.5	6.8	6.6	6.7	6.6	---	---
27	6.1	5.8	---	---	6.6	6.6	7.1	6.7	6.7	6.6	---	---
28	6.0	5.5	---	---	6.6	6.5	---	---	6.9	---	---	---
29	5.9	5.6	---	---	6.5	6.5	---	---	7.1	---	---	---
30	6.0	5.8	---	---	7.1	6.5	---	---	7.2	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
WYMX	7.8	6.5										

02430000 MACKEYS CREEK NEAR DENNIS, MISS.--Continued

TEMPERATURE (DEG. C) OF WATER . WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	23.0	22.0	12.0	10.5	12.0	8.0	8.0	5.0	---	---	14.0	10.0
2	21.5	20.5	13.0	11.0	13.0	8.5	6.5	4.0	---	---	15.0	14.0
3	22.5	20.5	---	---	12.0	9.5	7.0	4.5	---	---	16.0	15.0
4	21.5	20.5	---	---	11.0	10.5	8.5	4.0	9.0	8.0	17.5	16.0
5	22.0	20.5	13.0	13.0	12.0	9.5	9.0	7.0	9.5	8.0	16.5	16.0
6	21.0	19.0	12.5	10.0	9.5	8.0	11.0	9.0	---	---	18.0	17.0
7	21.0	19.0	11.5	10.0	---	---	11.0	6.5	---	---	18.5	17.0
8	21.5	20.5	12.0	11.0	---	---	10.0	---	---	6.0	19.0	17.0
9	21.5	21.0	12.0	12.0	---	---	11.0	10.0	6.0	5.0	18.0	17.0
10	22.0	21.0	9.0	8.0	---	---	11.5	12.0	6.5	5.5	18.0	18.0
11	22.0	20.0	9.0	7.5	---	---	12.0	10.0	8.0	6.0	18.0	18.0
12	22.0	20.0	9.0	7.0	---	---	12.0	13.0	9.0	6.0	18.0	17.0
13	22.0	20.0	10.0	8.0	---	---	---	---	10.0	8.0	16.5	13.0
14	21.0	20.0	13.0	9.0	---	---	8.0	8.0	10.0	9.0	13.0	10.0
15	22.0	19.0	15.0	12.5	---	---	8.5	8.5	11.0	9.0	13.0	10.5
16	21.0	18.0	15.0	11.5	---	---	11.5	11.0	10.0	9.0	13.0	10.5
17	19.0	16.0	12.0	10.0	---	---	12.5	12.0	10.5	9.0	---	---
18	18.0	13.5	12.0	10.0	---	---	13.0	13.0	---	---	---	---
19	18.5	13.0	11.0	10.0	---	---	14.0	14.0	---	---	---	---
20	18.0	14.0	12.0	10.5	6.0	5.0	15.0	15.0	---	---	---	---
21	18.0	15.0	10.0	10.0	5.0	5.0	15.0	12.0	10.0	8.0	---	---
22	17.0	14.5	---	---	3.0	2.5	13.0	11.0	10.0	8.0	---	---
23	17.0	14.0	14.0	14.0	5.0	2.0	13.0	12.0	9.0	7.0	---	---
24	16.0	15.0	14.0	14.0	7.0	3.0	13.0	10.0	8.0	8.0	---	---
25	15.0	14.0	14.0	14.0	9.0	5.0	---	---	6.0	5.0	---	---
26	15.0	15.0	14.0	10.0	9.0	7.5	---	---	6.0	5.0	---	---
27	15.0	15.0	---	---	9.0	9.0	---	---	7.5	6.0	---	---
28	14.5	14.0	12.0	11.0	9.0	7.5	---	---	10.0	8.0	---	---
29	14.5	12.0	11.0	9.0	9.0	6.0	---	---	---	---	---	---
30	12.0	11.0	10.5	8.0	10.0	7.5	---	---	---	---	---	---
31	12.5	12.0	---	---	10.0	8.0	---	---	---	---	---	---
MONTH	23.0	11.0	15.0	7.0	---	---	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	21.0	18.0	23.0	21.5	27.5	25.0	---	---	24.0	23.0
2	---	---	20.0	19.0	22.0	19.0	27.0	26.0	---	---	22.0	23.0
3	---	---	20.0	19.0	22.0	17.5	25.5	23.0	---	---	20.5	19.0
4	19.0	17.5	20.5	18.0	23.0	22.0	26.0	24.0	---	---	19.0	16.5
5	17.0	13.5	18.0	17.0	24.0	22.5	25.0	23.0	---	---	17.5	16.5
6	15.0	12.5	19.0	14.0	25.0	23.0	25.0	24.0	22.5	22.0	19.0	17.0
7	14.5	13.0	17.0	16.0	24.0	23.5	25.5	25.0	23.0	21.5	20.0	18.5
8	15.0	14.0	18.0	16.5	24.0	22.0	27.0	25.0	22.5	22.0	20.5	19.5
9	14.0	11.5	17.5	16.5	23.5	20.0	23.0	22.0	23.5	22.5	20.5	20.0
10	---	---	20.5	19.0	22.0	20.0	23.5	21.0	24.0	23.0	22.0	21.0
11	---	---	21.5	19.0	20.0	18.0	23.0	22.5	25.0	23.5	23.5	22.0
12	---	---	20.5	18.5	20.0	18.5	22.0	22.0	24.0	23.5	24.0	23.0
13	---	---	20.5	18.5	21.0	20.0	22.0	20.0	24.0	23.0	24.0	20.5
14	---	---	21.0	20.0	22.0	20.0	21.0	18.5	24.0	22.5	23.0	19.0
15	---	---	21.0	18.5	23.0	22.5	21.5	19.0	24.0	23.0	20.0	19.0
16	---	---	23.0	18.5	23.5	22.5	21.5	19.5	24.0	23.5	20.0	19.0
17	---	---	24.0	21.0	23.0	21.0	21.5	20.0	25.0	23.5	20.5	19.0
18	---	---	24.5	21.0	22.0	20.0	22.0	20.0	25.5	24.0	20.0	19.0
19	---	---	24.5	22.0	21.5	20.0	22.0	20.0	25.0	24.5	20.0	18.5
20	---	---	24.5	22.5	20.5	19.5	22.0	20.0	25.5	24.0	21.5	19.0
21	---	---	25.0	23.0	23.0	20.5	23.5	20.0	24.0	23.5	21.5	20.0
22	---	---	24.0	23.0	25.0	22.5	25.0	23.0	25.5	23.5	20.0	17.5
23	---	---	23.0	20.0	24.0	24.0	25.0	22.0	25.5	23.0	17.0	15.5
24	19.0	17.0	25.0	20.0	24.0	23.0	23.5	22.5	25.0	23.5	18.0	17.0
25	18.0	16.0	24.0	23.0	22.0	21.0	25.0	23.5	25.0	23.5	---	17.0
26	19.0	16.0	23.0	22.0	22.5	20.5	23.5	23.5	27.0	24.0	18.0	15.5
27	17.5	15.5	---	---	23.0	21.0	25.0	24.0	26.0	25.0	17.0	16.5
28	16.0	15.0	---	---	24.0	21.0	25.0	24.0	25.0	24.0	---	---
29	16.0	15.0	---	---	25.0	22.0	---	---	25.0	23.0	---	---
30	16.0	15.0	---	---	26.0	23.0	---	---	26.0	23.0	---	---
31	---	---	26.0	23.0	---	---	---	---	26.0	23.0	---	---
MONTH	---	---	26.0	16.0	26.0	17.0	27.0	18.0	27.0	23.0	24.0	15.5
WTYR	25.0	5.0										

02430000 MACKEYS CREEK NEAR DENNIS, MISS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.4	8.1	10.5	9.9	9.4	8.5	11.2	9.6	9.5	8.2	9.5	8.3
2	8.7	7.2	9.8	9.2	9.6	9.2	11.1	10.7	10.1	7.7	11.7	8.2
3	8.1	6.7	10.7	6.3	---	---	11.9	9.0	8.8	7.7	8.6	7.5
4	7.3	6.3	12.2	10.0	11.0	9.9	13.3	8.3	11.5	7.7	7.8	7.1
5	7.1	6.0	11.1	9.5	11.1	10.7	13.0	9.3	11.8	11.0	7.2	6.6
6	9.4	6.7	9.9	9.8	---	---	10.6	7.6	11.3	10.6	7.4	6.6
7	9.8	6.7	10.1	9.2	---	---	---	---	11.3	10.6	7.1	6.2
8	8.9	5.5	11.7	6.9	---	---	12.4	5.7	12.3	11.0	7.3	6.1
9	8.9	5.4	11.8	7.9	---	---	11.0	3.7	12.2	11.8	7.1	6.6
10	9.0	7.7	10.4	7.8	---	---	10.0	3.1	12.3	11.7	7.2	6.6
11	8.3	7.8	11.8	8.0	---	---	10.4	9.1	12.1	11.2	8.0	7.3
12	8.7	8.1	11.9	8.9	---	---	10.6	10.0	12.0	11.1	8.0	7.6
13	8.7	8.3	11.8	8.1	---	---	10.8	10.6	11.5	10.5	8.8	7.9
14	8.8	5.6	12.1	9.4	---	---	---	---	---	---	9.2	8.7
15	9.4	5.9	11.4	8.4	---	---	---	---	---	---	9.5	8.5
16	9.4	7.2	11.9	8.8	---	---	10.6	10.2	---	---	11.1	9.3
17	9.0	7.9	10.3	8.4	---	---	10.0	9.7	---	---	9.6	9.6
18	9.3	7.9	10.7	10.3	---	---	---	---	---	---	---	---
19	9.5	7.8	11.5	9.3	---	---	---	---	---	---	---	---
20	9.8	9.3	10.5	8.9	12.9	10.4	9.1	8.4	---	---	---	---
21	11.2	9.8	9.1	6.2	12.5	10.2	9.8	8.8	---	---	---	---
22	10.5	10.1	6.6	3.5	13.0	12.0	---	---	---	---	---	---
23	11.4	9.8	7.1	2.7	12.1	11.0	---	---	11.1	5.6	---	---
24	---	10.0	8.3	4.3	11.4	10.7	---	---	---	---	---	---
25	---	10.1	6.8	5.5	11.0	8.5	---	---	11.7	10.9	---	---
26	---	9.9	9.8	6.9	11.3	7.7	---	---	11.7	10.7	---	---
27	---	9.8	10.0	5.9	12.1	10.8	---	---	11.3	10.4	---	---
28	---	8.9	8.2	7.3	12.3	11.3	7.8	6.8	10.4	9.8	---	---
29	---	10.1	9.4	8.5	11.7	10.9	---	---	---	---	---	---
30	---	10.0	9.7	9.1	11.8	10.3	---	---	---	---	---	---
31	---	10.1	---	---	11.2	9.6	---	---	---	---	---	---
MONTH	---	5.4	12.2	2.7	---	---	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	7.2	6.7	7.5	6.9	9.9	8.5	---	---	7.1	6.5
2	---	---	6.9	6.0	7.0	6.9	9.8	8.7	---	---	7.0	6.5
3	---	---	7.6	5.9	7.9	6.5	9.2	9.1	---	---	6.8	6.3
4	7.8	6.9	7.3	6.1	7.8	7.1	9.5	9.0	---	---	9.6	8.9
5	9.0	7.9	---	---	7.4	7.0	9.6	9.0	---	---	9.6	9.3
6	9.4	8.4	8.0	7.3	7.0	6.7	9.9	8.5	8.1	8.0	9.4	9.0
7	8.9	8.4	7.2	6.9	6.8	6.3	9.6	9.3	8.2	7.7	9.3	8.7
8	8.5	7.9	6.8	6.3	6.0	5.9	9.6	7.9	7.9	7.6	8.8	8.5
9	9.0	8.4	7.2	6.4	---	---	8.3	7.2	7.8	7.7	8.4	8.3
10	8.5	8.0	7.5	7.3	---	---	7.7	6.4	7.8	7.5	8.3	8.0
11	---	---	7.6	7.1	---	---	8.0	6.3	7.7	7.3	8.0	7.2
12	---	---	7.5	7.2	7.8	7.5	7.2	6.6	7.5	7.4	8.4	7.2
13	---	---	7.7	7.2	7.6	7.0	---	---	7.8	7.4	7.3	7.1
14	---	---	7.4	7.0	7.2	6.8	---	---	7.8	7.3	7.6	7.2
15	---	---	7.2	6.9	6.9	6.5	---	---	7.9	7.3	7.7	7.6
16	---	---	---	---	6.8	6.6	---	---	7.6	6.9	7.7	7.6
17	---	---	---	---	7.3	6.5	7.0	6.9	7.3	6.7	7.8	7.1
18	---	---	---	---	7.5	6.8	6.7	6.7	7.3	6.9	7.1	6.9
19	---	---	---	---	7.5	6.8	6.9	6.8	7.2	6.9	7.1	6.8
20	---	---	7.9	6.9	8.2	6.9	6.3	6.0	7.9	7.0	---	---
21	---	---	8.6	6.9	8.3	7.2	---	---	7.8	6.9	---	---
22	---	---	7.6	6.8	7.7	7.1	---	---	7.8	7.1	---	---
23	---	---	8.3	7.2	8.1	7.6	7.6	7.5	7.2	6.7	---	---
24	8.9	8.8	8.7	8.3	8.6	7.3	8.6	7.6	6.9	6.5	---	---
25	8.3	8.5	8.9	8.3	8.7	8.6	7.6	7.5	6.8	6.5	---	---
26	8.9	8.2	---	---	8.8	8.1	7.5	6.9	6.9	6.8	---	---
27	8.3	7.7	---	---	8.7	8.2	8.1	7.3	7.3	6.9	---	---
28	8.6	8.3	---	---	8.6	8.3	7.9	7.3	7.3	6.9	---	---
29	8.5	8.0	---	---	8.3	8.1	7.6	7.3	7.3	6.9	---	---
30	8.3	7.7	---	---	8.3	7.9	7.5	7.3	7.3	6.9	---	---
31	---	---	8.0	7.5	---	---	---	---	7.3	6.9	---	---
MONTH	---	---	---	---	8.8	5.9	---	---	8.2	6.5	---	---
YEAR	10.0	5.7										

02473260 LEAF RIVER NEAR PALMER, MISS.

LOCATION.--Lat 31°15'40", long 89°13'35", in SW¼SW¼ sec.32, T.4 N., R.24 E., St. Stephens meridian, Forrest County, on county road, 3 miles (4.8 km) east of Palmer.

DRAINAGE AREA.--1,820 mi^2 (4,710 km^2).

PERIOD OF RECORD.--Chemical analyses: November 1970 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
OCT.									
16...	0700	930	--	--	--	--	--	--	--
16...	1015	930	--	--	--	--	--	--	--
16...	1348	930	--	--	--	--	--	--	--
16...	1650	930	--	--	--	--	--	--	--
17...	0715	1080	--	--	.27	.54	.81	--	--
17...	1050	1100	--	--	.28	.45	.73	--	--
17...	1425	1270	--	--	.29	.49	.78	--	--
17...	2000	1330	--	--	.20	.90	1.1	--	--
18...	0030	1350	--	--	.29	.19	.48	--	--
18...	0330	1350	--	--	.23	.03	.26	--	--
18...	0645	1400	--	--	.30	.70	1.0	--	--
18...	1025	1420	--	--	--	--	--	--	--
18...	1330	1440	--	--	--	--	--	--	--
18...	1505	1440	--	--	--	--	--	--	--
DEC.									
06...	1300	3050	--	--	--	--	--	--	--
12...	1530	1080	--	--	--	--	--	--	--
18...	1530	1020	--	--	--	--	--	--	--
JAN.									
17...	1630	11600	--	--	--	--	--	--	--
29...	1530	13400	3.2	.04	--	--	.53	.57	2.5
FEB.									
26...	1800	3550	6.3	.20	--	--	.33	.53	2.3
SEP.									
09...	1400	10500	--	.12	.10	1.1	1.2	1.3	5.8

02473260 LEAF RIVER NEAR PALMER, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
OCT.									
16...	--	--	--	--	66	6.4	23.8	--	5.6
16...	--	--	--	--	66	6.2	23.5	--	5.6
16...	--	--	--	--	68	6.3	24.0	--	6.0
16...	--	--	--	--	68	6.2	23.0	--	6.3
17...	.19	--	--	--	85	6.2	21.0	--	6.5
17...	.13	--	--	--	60	6.4	21.0	--	6.9
17...	.23	--	--	--	78	6.4	23.0	--	7.0
17...	.23	--	--	--	60	6.6	22.0	--	7.2
18...	.21	--	--	--	56	6.5	21.0	--	7.1
18...	.20	--	--	--	56	6.4	21.0	--	6.7
18...	.21	--	--	--	60	6.5	20.5	--	7.1
18...	--	--	--	--	60	6.5	21.0	--	8.2
18...	--	--	--	--	56	6.5	23.0	--	7.5
18...	--	--	--	--	57	6.6	23.2	--	7.0
DEC.									
06...	--	--	--	--	65	6.7	15.0	--	8.7
12...	--	--	--	--	75	7.2	12.0	--	9.1
18...	--	--	--	--	70	6.1	11.0	--	11.6
JAN.									
17...	--	--	--	--	64	6.4	15.0	--	9.7
29...	.03	33	.04	1190	30	5.6	17.5	--	9.1
FEB.									
26...	.09	48	.07	460	59	5.8	12.0	--	9.4
SEP.									
09...	.58	38	.05	1080	44	5.8	22.0	90	6.8

DATE	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
OCT.									
16...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
17...	--	2.5	100000	85000	340	--	--	--	--
17...	--	2.5	--	--	--	--	--	--	--
17...	--	2.9	55000	85000	140	--	--	--	--
17...	--	1.8	--	--	--	--	--	--	--
18...	--	1.8	180000	95000	140	--	--	--	--
18...	--	2.1	--	--	--	--	--	--	--
18...	--	1.9	58000	85000	80	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
DEC.									
06...	--	2.2	81000	4400	170	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
JAN.									
17...	--	--	--	--	--	--	--	--	--
29...	26	--	--	--	--	--	8	--	--
FEB.									
26...	24	2.2	22500	3050	160	7.2	8	--	--
SEP.									
09...	26	--	--	81700	2063	12	--	630	18000

02473260 LEAF RIVER NEAR PALMER, MISS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	40	35	---	---	70	65	60	50	60	55	85	80
2	55	40	---	---	75	70	50	50	60	60	90	85
3	55	50	---	---	80	75	50	50	60	60	90	85
4	60	55	---	---	80	70	55	50	65	60	95	90
5	70	55	---	---	70	65	55	55	65	65	95	90
6	65	65	---	---	70	65	55	55	70	65	90	90
7	75	65	---	---	75	70	60	55	70	55	90	90
8	75	70	---	---	75	70	60	60	60	55	90	90
9	90	70	---	---	75	75	70	60	60	55	90	75
10	90	75	---	---	80	75	70	70	70	60	90	75
11	90	70	---	---	100	75	70	70	70	70	85	80
12	70	65	---	---	105	80	70	65	70	70	80	70
13	80	60	---	---	105	75	70	65	70	70	70	65
14	90	70	---	---	100	80	65	65	70	70	80	70
15	95	75	---	---	80	75	65	65	85	70	70	70
16	80	70	---	---	110	80	70	65	85	65	80	70
17	75	65	---	---	85	75	70	70	75	60	---	---
18	65	60	---	---	75	70	70	70	60	55	---	---
19	65	60	---	---	85	75	70	70	55	55	---	---
20	70	65	---	---	75	60	70	60	55	55	---	---
21	90	70	---	---	75	55	65	60	60	55	---	---
22	80	70	---	---	70	65	60	55	60	60	---	---
23	75	70	---	---	70	65	55	50	70	60	---	---
24	80	70	---	---	70	70	55	50	70	70	---	---
25	70	70	---	---	70	40	55	50	70	70	---	---
26	70	65	---	---	40	35	50	50	70	70	---	---
27	80	70	80	65	35	30	50	50	70	65	---	---
28	85	70	70	65	35	30	50	50	80	70	---	---
29	85	70	70	60	40	35	55	50	---	---	---	---
30	75	70	70	65	45	40	50	50	---	---	---	---
31	---	---	---	---	55	50	55	50	---	---	---	---
MONTH	95	35	---	---	110	30	70	50	85	55	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	65	60	80	80	70	70	70	65	80	70
2	---	---	70	65	80	80	85	70	70	65	80	70
3	55	55	75	70	90	80	90	85	80	65	70	70
4	55	55	95	75	65	70	90	90	75	65	70	70
5	60	55	85	80	70	70	90	85	65	65	70	60
6	60	60	80	70	75	70	90	85	---	---	65	60
7	65	60	70	70	70	55	85	80	70	70	70	65
8	70	65	---	---	60	50	80	80	70	70	70	50
9	80	70	---	---	60	50	85	80	---	---	60	45
10	80	80	---	---	65	60	85	85	---	---	50	50
11	85	80	---	---	65	65	85	85	---	---	50	50
12	90	80	---	---	65	65	100	80	---	---	55	50
13	80	35	---	---	70	65	80	80	---	---	60	55
14	35	30	---	---	75	75	85	60	---	---	70	60
15	35	30	---	---	80	75	80	70	---	---	70	70
16	35	30	---	---	80	80	75	70	---	---	75	70
17	35	30	---	---	90	80	70	70	---	---	80	75
18	40	30	---	---	90	75	70	70	---	---	80	80
19	55	40	---	---	80	75	80	70	---	---	85	80
20	60	50	---	---	80	80	80	75	---	---	85	85
21	65	60	---	---	80	80	80	70	---	---	85	85
22	70	65	---	---	80	80	80	75	---	---	90	85
23	75	70	---	---	90	85	80	80	---	---	85	85
24	75	75	---	---	85	80	80	75	---	---	90	85
25	75	75	---	---	105	85	80	75	---	---	100	90
26	75	75	---	---	85	85	80	80	80	80	105	90
27	80	80	---	---	70	65	80	80	85	80	100	90
28	85	80	---	---	75	65	80	80	85	80	90	90
29	85	80	---	---	75	65	80	80	85	80	90	90
30	85	80	---	---	75	65	80	80	80	75	85	---
31	---	---	---	---	---	---	80	80	80	75	---	---
MONTH	90	30	---	---	105	30	105	60	---	---	105	60
YEAR	105	30										

02479000 PASCAGOULA RIVER AT MERRILL, MISS.

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ sec.18, T.1 S., R.7 W., St. Stephens meridian, George County, at gaging station at bridge on highway between Merrill and Avent, 0.5 mile (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mile (0.8 km) west of Merrill, and at mile 80.8 (130 km).
DRAINAGE AREA.--6,600 mi^2 (17,100 km^2), approximately.
PERIOD OF RECORD.--Chemical analyses: April 1970 to September 1972.
Specific conductance: April 1970 to September 1974.
Water temperature: April 1970 to June 1972, discontinued.
EXTREMES, 1973-74.--Specific conductance: Maximum, 180 micromhos Aug. 3; minimum, 40 micromhos Apr. 14-19, Sept. 9.
EXTREMES, 1971-74.--Specific conductance: Maximum, 260 micromhos Dec. 23-24, 1971; minimum, 40 micromhos Apr. 14-19, Sept. 9, 1974.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	95	80	---	---	100	95	50	50	70	70	---	---
2	100	85	---	---	110	100	50	50	70	70	---	---
3	100	80	---	---	110	110	50	50	70	70	---	---
4	85	80	---	---	110	100	55	50	70	60	---	---
5	100	85	---	---	100	90	60	55	70	70	---	---
6	110	100	---	---	95	90	65	60	70	70	---	---
7	115	105	---	---	100	90	70	65	90	70	---	---
8	110	105	---	---	110	100	70	70	105	90	---	---
9	110	110	---	---	110	110	80	70	105	105	---	---
10	115	110	---	---	110	110	80	80	110	105	---	---
11	110	110	---	---	110	110	80	80	110	100	---	---
12	115	110	---	---	110	110	80	80	105	100	---	---
13	110	105	---	---	120	120	80	80	100	90	---	---
14	105	100	---	---	130	120	80	80	90	60	---	---
15	105	100	---	---	135	125	80	80	60	60	---	---
16	115	105	---	---	130	125	80	80	60	60	---	---
17	125	110	---	---	130	125	85	80	65	60	---	---
18	120	100	---	---	130	125	85	85	70	65	---	---
19	115	100	---	---	130	125	85	85	70	70	---	---
20	120	100	---	---	130	130	85	75	70	70	---	---
21	120	100	---	---	90	85	75	70	70	70	---	---
22	120	110	---	---	90	90	70	70	70	70	---	---
23	120	110	---	---	95	80	70	70	75	70	---	---
24	120	120	---	---	95	90	70	70	70	70	---	---
25	120	120	---	---	95	90	70	70	70	70	---	---
26	125	120	---	---	95	50	70	70	70	70	---	---
27	125	120	105	100	50	50	70	70	70	70	---	---
28	120	120	100	100	45	45	70	70	70	70	55	55
29	120	120	100	90	50	45	75	70	---	---	65	55
30	120	100	95	90	50	50	70	70	---	---	70	65
31	---	---	---	---	50	50	70	70	---	---	75	70
MONTH	125	80	---	---	135	45	85	50	110	60	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	85	75	95	90	110	110	120	---	120	105	115	115
2	90	85	100	95	110	---	130	---	150	120	115	80
3	90	80	95	95	100	---	135	---	140	135	80	65
4	80	70	100	95	100	---	140	---	140	120	65	60
5	85	70	100	95	105	---	150	---	120	110	70	65
6	80	75	110	100	115	---	145	---	130	120	80	70
7	80	80	110	110	120	---	145	---	140	120	80	80
8	80	80	110	110	100	---	135	---	130	120	80	65
9	85	80	110	110	80	---	135	---	140	130	65	60
10	90	85	120	110	80	---	135	---	130	120	50	65
11	100	90	120	115	80	---	140	---	150	130	55	50
12	105	100	115	80	80	---	140	115	150	130	60	55
13	105	90	80	80	80	---	130	120	130	130	70	60
14	90	80	85	80	80	---	140	120	135	130	75	70
15	80	80	70	85	90	---	130	115	140	120	80	75
16	85	85	85	70	90	---	120	110	130	120	90	80
17	80	85	90	85	95	---	120	115	140	105	100	90
18	85	85	95	95	105	---	120	105	110	100	110	100
19	85	80	95	95	110	---	120	110	100	100	115	110
20	85	85	95	95	115	---	140	120	110	100	120	115
21	90	85	95	90	110	---	130	120	110	100	125	120
22	95	90	105	90	110	---	140	120	120	105	130	125
23	95	95	110	105	110	---	150	130	130	120	140	130
24	90	85	105	95	110	---	130	120	140	130	130	130
25	80	70	95	80	115	---	130	120	140	130	130	130
26	80	80	90	80	120	---	140	120	140	130	130	130
27	80	80	90	70	115	---	140	120	130	110	130	130
28	80	80	85	80	115	---	140	120	130	120	130	130
29	80	80	90	80	120	---	140	120	130	120	130	130
30	80	80	90	80	115	---	130	115	130	120	130	130
31	80	80	90	80	---	---	130	120	130	120	---	---
MONTH	105	80	120	80	120	---	150	---	180	100	180	80

02479020 PASCAGOULA RIVER NEAR BENNDALE, MISS.
(National stream-quality accounting network)

LOCATION.--Lat 30°52'45", long 88°46'22", on line between secs. 15 and 22, T.2 S., R.8 W., St. Stephens meridian, George County, at bridge on State Highway 26, 0.4 mile (0.6 km) upstream from Bates Creek, 2.1 mile (3.4 km) east of Benndale, and 11.7 miles (18.8 km) southwest of Lucedale.

DRAINAGE AREA.--6,690 mi² (17,300 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT.												
02...	1400	4690	10	1700	460	100	67	33	4.2	1.4	7.5	.9
30...	1445	1820	12	1300	610	67	0	67	6.0	1.5	10	1.1
NOV.												
27...	1400	5130	11	1900	450	80	0	80	6.6	1.7	12	2.3
DEC.												
06...	1620	8740	--	--	--	--	--	--	--	--	--	--
12...	1800	4500	--	--	--	--	--	--	--	--	--	--
19...	1015	3670	--	--	--	--	--	--	--	--	--	--
JAN.												
18...	0900	22900	--	--	--	--	--	--	--	--	--	--
30...	1630	47300	--	--	--	--	--	--	--	--	--	--
FEB.												
26...	1530	27100	--	--	--	--	--	--	--	--	--	--
MAR.												
14...	1530	13200	9.1	--	--	--	--	--	4.5	.9	6.4	1.3
APR.												
09...	1430	24300	8.0	--	--	--	--	--	5.0	.8	5.6	1.4
MAY												
28...	1430	8440	7.4	--	--	--	--	--	5.3	1.1	6.2	1.2
JULY												
12...	1245	2880	10	1900	450	170	60	110	5.5	1.5	10	1.6
AUG.												
21...	1030	6000	8.6	--	--	--	--	--	5.6	1.0	8.4	1.6
SEP.												
05...	1000	14400	7.1	--	--	--	--	--	3.3	1.0	5.4	1.3

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
OCT.												
02...	18	0	15	5.0	8.3	.1	--	--	--	--	--	47
30...	21	0	17	4.9	13	.1	--	--	--	--	--	56
NOV.												
27...	17	0	14	6.6	19	.3	.00	.18	.18	.80	.06	82
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
26...	--	--	--	--	6.9	--	.01	.44	.45	.2	.02	62
MAR.												
14...	13	0	11	3.9	8.2	--	.11	.35	.46	.2	.06	57
APR.												
09...	15	0	12	4.7	10	.2	--	--	--	--	--	55
MAY					8.2							
28...	13	0	11	3.3	10	.2	.12	.32	.44	1.9	.08	50
JULY												
12...	24	0	20	5.4	13	.1	.17	.81	.98	4.3	.26	56
AUG.												
21...	14	0	11	5.8	18	.1	.00	.51	.51	2.3	.08	76
SEP.												
05...	7	0	6	5.4	9.7	.1	.29	.47	.76	2.4	.10	86
							.13	.56	.69	2.1	.08	60

02479020 PASCAGOULA RIVER NEAR BENNDALE, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
OCT.												
02...	47	.06	595	16	1	48	.8	70	6.7	26.0	30	6.4
30...	60	.08	275	21	4	49	.9	90	6.8	18.5	5	7.7
NOV.												
27...	68	.11	1140	23	10	50	1.1	110	6.7	21.0	30	6.9
DEC.												
06...	--	--	--	--	--	--	--	75	5.6	14.0	--	8.3
12...	--	--	--	--	--	--	--	95	7.2	10.0	--	9.5
19...	--	--	--	--	--	--	--	110	6.5	10.0	--	10.4
JAN.												
18...	--	--	--	--	--	--	--	76	6.5	15.4	--	9.7
30...	--	.09	8050	--	--	--	--	70	--	18.0	--	8.3
FEB.												
26...	--	.08	4170	--	--	--	--	45	5.7	12.5	--	9.1
MAR.												
14...	43	.07	1960	15	4	46	.7	66	6.9	19.0	30	7.3
APR.												
09...	41	.07	3280	16	3	41	.6	63	6.7	18.0	30	7.0
MAY												
28...	41	.08	1280	18	7	41	.6	70	5.9	25.0	30	6.6
JULY												
12...	60	.10	591	20	0	50	1.0	100	6.7	29.0	10	7.4
AUG.												
21...	56	.12	1390	18	7	48	.9	78	6.1	28.0	20	6.3
SEP.												
05...	37	.08	2330	12	7	46	.7	65	5.4	22.5	30	6.7

DATE	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL PHYTO-PLANK-TON (CELLS PER ML)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)
OCT.												
02...	--	--	5.7	17000	--	--	--	--	--	5	0	5
30...	--	--	5.3	1700	4700	20	215	--	--	0	0	0
NOV.												
27...	--	--	5.6	--	4700	900	20	--	--	4	0	4
DEC.												
06...	--	2.0	--	--	81000	1980	175	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
30...	16	--	--	--	--	--	--	--	2	--	--	--
FEB.												
26...	30	.9	--	--	18500	<250	18500	7.4	1	--	--	--
MAR.												
14...	--	--	2.8	--	--	--	--	--	--	--	--	--
APR.												
09...	--	--	4.8	--	--	--	--	12	--	--	--	--
MAY												
28...	--	--	26	--	--	--	--	--	--	--	--	--
JULY												
12...	--	--	7.7	19000	--	--	--	10	--	1	0	1
AUG.												
21...	--	--	18	4600	--	--	--	--	--	--	--	--
SEP.												
05...	--	--	45	700	--	--	--	--	--	--	--	--

02479020 PASCAGOULA RIVER NEAR BENNDALE, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL CAD-MIUM (CD) (UG/L)	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS-PENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)
OCT.												
02...	0	0	0	0	0	0	1	0	1	4	0	7
30...	0	0	0	0	0	0	2	2	0	4	3	1
NOV.												
27...	1	0	1	56	51	5	3	0	3	3	0	3
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
26...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
14...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
09...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
12...	9	4	5	15	14	1	3	2	1	2	0	4
AUG.												
21...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
05...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)
OCT.							
02...	4	0	4	--	--	.1	8
30...	4	0	4	--	--	.0	5
NOV.							
27...	10	0	10	.0	.0	.0	10
MAR.							
14...	--	--	--	--	--	--	--
JULY							
12...	62	38	24	.2	.0	.2	3
AUG.							
21...	--	--	--	--	--	--	--
SEP.							
05...	--	--	--	--	--	--	--

DATE	SUS-PENDED SELE-NIUM (SE) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
OCT.							
02...	1	7	30	0	50	--	--
30...	0	5	70	30	40	--	--
NOV.							
27...	8	2	0	0	0	18	[illegible]
MAR.							
14...	--	--	--	--	--	[illegible]	[illegible]
JULY							
12...	0	3	[illegible]	[illegible]	30	[illegible]	[illegible]
AUG.							
21...	--	--	--	--	--	17	[illegible]
SEP.							
05...	--	--	--	--	--	[illegible]	[illegible]

02479155 CYPRESS CREEK NEAR JANICE, MISS.
(Hydrologic bench-mark and pesticide station)

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NW¼ sec.29, T.1 N., R.10 W., St. Stephens meridian, Perry County, at gaging station at bridge on State Highway 29, 1.2 mile (1.9 km) east of Janice, and 5.5 miles (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.2 mi^2 (135 km^2).

PERIOD OF RECORD.--Chemical analyses: December 1966 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)
OCT.												
02...	1700	110	--	--	--	--	--	--	--	--	--	--
30...	1330	17	12	2000	50	.8	.5	1.8	.3	4	0	3
DEC.												
06...	1500	78	--	--	--	--	--	--	--	--	--	--
MAR.												
14...	1330	90	9.1	--	--	1.5	.5	2.7	.6	3	0	2
MAY												
28...	1330	30	10	--	--	2.0	.6	2.0	.5	3	0	2
JULY												
12...	1030	14	--	--	--	--	--	--	--	--	--	--
AUG.												
21...	1330	16	10	--	--	2.5	.5	2.0	.4	13	0	11
SEP.												
05...	0900	44	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL FILTRABLE RESIDUE (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	TOTAL NONFILTRABLE RESIDUE (MG/L)	HARDNESS (CA,MG) (MG/L)
OCT.												
02...	--	--	--	--	--	--	--	--	--	--	--	--
30...	2.1	2.1	.1	.01	.00	33	29	24	.04	1.51	4	4
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
14...	2.2	3.5	.1	.05	.03	38	--	22	.05	9.23	--	6
MAY												
28...	1.2	3.5	.1	.04	.01	28	--	21	.04	2.27	--	7
JULY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
21...	3.0	3.1	.0	.03	.02	29	--	28	.04	1.25	--	8
SEP.												
05...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT.												
02...	--	--	--	20	4.9	<3.0	7.2	--	--	--	--	--
30...	1	47	.4	18	6.0	14.8	10.1	--	6.4	4500	60	165
DEC.												
06...	--	--	--	29	5.1	12.5	10.3	.8	--	20000	20	15
MAR.												
14...	3	47	.5	24	5.3	15.0	9.2	--	24	--	--	--
MAY												
28...	5	35	.3	20	4.7	<3.0	8.1	--	96	--	--	--
JULY												
12...	--	--	--	21	6.4	<5.0	8.5	--	--	--	--	--
AUG.												
21...	0	33	.3	22	5.4	<7.5	7.8	--	83	--	--	--
SEP.												
05...	--	--	--	32	4.4	19.0	8.4	--	--	--	--	--

02479155 CYPRESS CREEK NEAR JANICE, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)	DI-AZINON (UG/L)
OCT.												
02...	--	--	--	--	--	--	--	--	--	--	--	--
30...	6.5	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
14...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
21...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
05...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)	MALA-THION (UG/L)	METHYL PARA-THION (UG/L)
OCT.												
02...	--	--	--	--	--	--	--	--	--	--	--	--
30...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
14...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
28...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
12...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
21...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
05...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	PARA-THION (UG/L)	PCB (UG/L)	PCB IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
OCT.											
30...	.00	.0	0	.00	.00	.00	6	0	0	9	46
MAR.											
14...	--	--	--	--	--	--	--	--	--	--	--
JULY											
12...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
21...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
05...	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED ZINC (ZN) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (L. (UG/L)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARG (T/DAY
OCT.											
30...	40	.4	<.4	1.1	<.5	.9	<.5	.08	.07	6	.30
MAR.											
14...	--	--	--	--	--	--	--	--	--	9	2.2
JULY											
12...	--	--	--	--	--	--	--	--	--	7	.26
AUG.											
21...	--	--	--	--	--	--	--	--	--	7	.30
SEP.											
05...	--	--	--	--	--	--	--	--	--	9	1.1

03592800 YELLOW CREEK NEAR DOSKIE, MISS.

LOCATION.--Lat 34°54'02", long 88°17'35", in sec.18, T.2 S., R.10 E., Chickasaw meridian, Tishomingo County, at gaging station on county road at Moser Bridge, 0.4 mile (0.6 km) south of Doskie, Miss.

DRAINAGE AREA.--143 mi^2 (370 km^2).

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)
DEC.												
20...	1230	647	7.1	--	--	6	0	5	5.7	1.9	.1	--
MAR.												
25...	1400	274	--	--	--	--	--	--	--	--	--	--
APR.												
03...	0930	146	8.0	--	--	--	--	--	--	--	--	--
22...	1330	205	--	1.4	.7	9	--	7	1.1	1.8	--	.05
MAY												
06...	1400	170	--	--	--	--	--	--	--	--	--	--
21...	1500	91	--	3.6	.8	12	--	10	--	--	--	.15
JUNE												
03...	1330	1000	--	4.1	.6	6	--	5	4.5	1.2	--	.11
17...	1200	125	--	4.4	1.1	16	--	13	--	--	--	.12
JULY												
01...	1330	55	--	3.4	1.1	15	--	12	3.1	2.2	--	.10
15...	1430	37	--	1.8	.6	10	0	8	--	--	--	.11
29...	1400	42	--	3.4	1.0	19	--	16	2.9	1.7	--	.10
AUG.												
21...	1400	39	--	.9	.6	10	0	8	--	--	--	.10
SEP.												
04...	1300	68	--	1.3	.6	9	0	7	4.2	3.3	--	.06
19...	1000	52	--	.4	.7	12	0	10	--	--	--	.06

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)
DEC.												
20...	--	--	.00	--	--	--	--	--	--	--	--	.01
MAR.												
25...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
03...	--	.05	--	.03	.20	.23	.28	1.2	.14	--	--	--
22...	.02	.07	--	.12	.13	.25	.32	1.4	.08	.06	--	--
MAY												
06...	--	--	--	--	--	--	--	--	--	--	--	--
21...	.01	.16	--	.12	.68	.80	.96	4.3	.02	.00	.04	--
JUNE												
03...	.02	.13	--	.19	.91	1.1	1.2	5.4	.05	.01	.02	--
17...	.00	.12	--	.09	.39	.48	.60	2.7	.03	.00	.03	--
JULY												
01...	.00	.10	--	.01	.22	.23	.33	1.5	.01	.01	.01	--
15...	.00	.11	--	.15	.65	.80	.91	4.0	.04	--	.01	--
29...	.01	.11	--	.01	.35	.36	.47	2.1	.03	.00	.03	--
AUG.												
21...	.01	.11	--	.05	.27	.32	.43	1.9	.03	.02	.01	--
SEP.												
04...	.01	.07	--	.00	.42	.42	.49	2.2	.05	.01	.01	--
19...	.00	.06	--	.00	.16	.16	.22	.97	.01	.00	.01	--

03592800 YELLOW CREEK NEAR DOSKIE, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
DEC.											
20...	.03	--	--	--	--	--	--	34	6.1	6.0	--
MAR.											
25...	--	--	--	--	--	--	--	28	5.4	9.0	--
APR.											
03...	--	18	.02	8.07	11	--	--	23	5.4	18.0	--
22...	--	12	.02	6.64	--	6	0	24	6.4	16.5	100
MAY											
06...	--	--	--	--	--	--	--	30	4.8	15.0	--
21...	--	41	.06	10.1	--	13	3	47	6.4	22.5	100
JUNE											
03...	--	40	.05	108	--	13	8	26	7.0	19.0	100
17...	--	46	.06	15.5	--	16	2	32	6.5	18.5	200
JULY											
01...	--	61	.08	9.19	--	13	1	30	6.4	21.0	100
15...	--	34	.05	3.40	--	7	0	24	6.9	23.0	60
29...	--	42	.06	4.76	--	13	0	46	7.0	23.5	80
AUG.											
21...	--	--	.08	6.11	--	5	0	27	6.7	23.0	60
SEP.											
04...	--	20	.03	3.67	--	6	0	28	6.8	16.0	90
19...	--	43	.06	6.04	--	4	0	28	6.4	17.0	80

DATE	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	TOTAL MERCURY (HG) (UG/L)
DEC.											
20...	--	--	--	--	7.6	--	--	--	--	--	--
MAR.											
25...	--	9.6	--	--	--	--	--	--	--	--	--
APR.											
03...	10	8.4	12	--	--	--	--	--	--	--	--
22...	--	8.4	4	--	5.7	--	--	--	18	0	--
MAY											
06...	--	9.8	--	.4	--	--	--	--	--	--	--
21...	--	7.8	6	3.4	7.6	850	240	415	--	--	--
JUNE											
03...	--	7.7	20	5.6	1.0	--	--	--	12	6	.7
17...	--	8.9	20	.0	8.1	--	--	--	13	--	--
JULY											
01...	--	8.4	11	--	9.6	--	--	--	5.8	2	.0
15...	--	9.2	11	1.8	2.0	--	--	--	7.7	--	--
29...	--	7.5	11	.7	3.0	--	--	--	8.5	1	.1
AUG.											
21...	--	6.9	18	.6	3.2	--	--	--	17	--	--
SEP.											
04...	--	9.9	16	--	2.3	--	--	--	--	--	.0
19...	--	9.5	12	2.0	7.6	--	--	--	2.9	--	--

03592800 YELLOW CREEK NEAR DOSKIE, MISS.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	35	28	24	22	31	31	---	---	---	---	---	---
2	---	---	24	23	31	31	---	---	38	22	---	---
3	---	---	24	23	31	31	---	---	---	---	---	---
4	21	20	23	23	31	31	---	---	---	---	---	---
5	22	21	53	23	31	31	---	---	38	37	---	---
6	22	22	31	29	32	31	---	---	---	---	---	---
7	---	---	29	27	32	31	---	---	---	---	---	---
8	---	---	29	27	33	31	---	---	---	---	---	---
9	---	---	33	30	32	31	---	---	---	---	---	---
10	---	---	32	30	32	30	---	---	---	---	---	---
11	---	---	30	29	28	25	---	---	---	---	---	---
12	---	---	29	28	---	---	---	---	---	---	---	---
13	---	---	28	27	---	---	---	---	---	---	---	---
14	---	---	28	27	---	---	---	---	---	---	---	---
15	---	---	30	28	---	---	---	---	---	---	---	---
16	---	---	28	22	---	---	---	---	---	---	---	---
17	---	---	23	22	---	---	---	---	---	---	---	---
18	---	---	23	22	---	---	---	---	---	---	---	---
19	---	---	23	23	---	---	---	---	---	---	25	23
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	25	24	---	---	---	---	---	---	---	---	---	---
24	24	24	---	---	---	---	---	---	---	---	---	---
25	26	25	---	---	---	---	---	---	38	38	---	---
26	27	25	---	---	---	---	---	---	38	27	---	---
27	28	27	36	20	---	---	---	---	---	---	---	---
28	30	28	29	20	---	---	30	28	---	---	---	---
29	31	29	---	---	---	---	30	28	---	---	---	---
30	29	21	---	---	---	---	---	---	---	---	---	---
31	22	22	---	---	---	---	---	---	---	---	29	27
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	23	33	29	28	24	23	33	32
2	---	---	---	---	---	---	31	29	24	22	33	32
3	---	---	---	---	35	24	31	30	36	22	32	28
4	33	32	---	---	34	23	36	30	37	24	30	29
5	32	30	---	---	41	25	37	28	24	23	30	27
6	31	28	---	---	47	24	35	32	26	25	28	27
7	30	27	34	32	48	26	33	32	27	23	29	28
8	39	28	32	31	36	24	32	32	26	23	30	29
9	31	28	31	31	29	27	32	27	24	23	33	30
10	29	27	---	---	32	27	27	22	24	24	31	30
11	27	26	---	---	30	28	27	24	27	24	31	30
12	37	27	---	---	---	---	26	24	29	25	34	28
13	38	30	---	---	39	35	25	24	31	28	34	31
14	33	30	---	---	44	31	26	24	29	29	35	31
15	32	30	---	---	39	31	27	24	29	28	34	32
16	32	30	---	---	41	32	25	24	34	28	37	29
17	33	29	---	---	37	33	26	23	29	27	29	28
18	32	30	---	---	39	33	24	23	29	28	29	28
19	31	29	---	---	35	34	24	23	29	28	29	28
20	31	28	---	---	38	34	36	23	28	27	28	27
21	29	27	---	---	38	34	24	22	28	27	29	27
22	28	26	36	29	38	31	24	23	30	28	31	28
23	28	26	36	30	35	32	25	24	29	28	33	29
24	34	28	33	30	---	---	26	25	29	28	30	29
25	---	---	31	29	32	29	40	25	29	28	---	---
26	---	---	44	30	31	29	---	---	29	28	---	---
27	---	---	---	---	30	28	---	---	29	28	---	---
28	---	---	---	---	29	28	---	---	28	25	---	---
29	---	---	---	---	29	27	---	---	37	24	---	---
30	---	---	32	30	29	27	---	---	35	33	---	---
31	---	---	33	26	---	---	25	23	34	32	---	---
MONTH	---	---	---	---	48	23	40	22	37	22	37	27
YEAR	53	20										

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MISS.--Continued

PH (UNITS) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	6.5	5.2	6.3	5.9
2	---	---	---	---	---	---	---	---	6.7	5.2	6.5	6.1
3	---	---	---	---	---	---	---	---	5.5	5.3	6.7	6.0
4	---	---	---	---	---	---	---	---	5.5	5.3	6.7	5.6
5	---	---	---	---	---	---	---	---	5.7	5.2	6.7	5.8
6	---	---	5.6	5.4	5.8	5.6	---	---	5.8	5.1	6.6	5.9
7	---	---	5.8	5.5	5.8	5.6	---	---	5.7	4.9	6.7	5.6
8	---	---	5.5	5.4	5.9	5.7	---	---	5.7	5.0	6.5	5.4
9	---	---	5.5	5.3	6.0	5.7	---	---	5.9	5.0	6.7	5.5
10	---	---	5.5	5.2	5.9	5.8	---	---	6.0	5.1	6.6	5.5
11	---	---	5.5	5.3	6.0	5.8	---	---	6.1	5.0	6.3	5.6
12	---	---	5.6	5.3	---	---	---	---	6.2	5.0	6.3	5.9
13	---	---	5.6	5.3	---	---	---	---	6.1	5.3	6.6	5.8
14	---	---	5.6	5.4	---	---	6.0	5.7	6.2	5.3	6.8	5.9
15	---	---	5.6	5.2	---	---	6.1	5.9	5.9	5.4	6.8	6.0
16	---	---	5.6	5.1	---	---	6.1	5.9	6.5	5.2	6.8	5.9
17	---	---	5.4	5.0	---	---	6.2	5.9	6.4	5.2	6.6	6.1
18	---	---	5.3	5.1	---	---	6.2	5.7	6.0	5.0	6.9	6.3
19	---	---	6.9	5.4	---	---	6.2	5.8	6.0	5.3	6.9	6.3
20	---	---	---	---	5.8	5.6	6.3	5.9	5.9	5.1	---	---
21	---	---	---	---	6.0	5.8	6.0	5.6	5.9	5.1	---	---
22	---	---	---	---	6.0	4.9	6.0	5.4	5.6	4.9	---	---
23	5.8	5.2	---	---	6.1	5.8	6.0	5.6	6.2	5.0	---	---
24	5.9	5.2	---	---	6.1	5.9	6.0	5.8	5.8	5.0	---	---
25	6.9	5.9	7.0	5.7	6.1	5.9	5.8	5.7	6.0	5.6	---	---
26	---	---	6.9	5.4	6.1	5.5	6.0	5.7	6.3	5.5	---	---
27	---	---	6.8	5.3	5.6	5.2	6.0	5.7	6.4	5.6	---	---
28	---	---	5.7	5.3	6.1	5.4	6.0	5.7	6.5	5.9	---	---
29	---	---	5.4	5.2	6.4	6.1	---	---	---	---	---	---
30	---	---	5.7	5.4	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	6.7	4.9	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	6.8	6.6	7.0	6.2	7.2	6.5	---	---
2	---	---	---	---	6.9	6.6	7.1	6.8	7.5	6.0	---	---
3	---	---	---	---	7.0	6.8	6.9	6.6	7.3	5.8	---	---
4	7.0	6.6	---	---	7.1	7.0	6.9	6.4	6.1	5.6	6.4	6.1
5	6.6	6.3	---	---	7.3	7.1	6.2	6.0	6.5	6.1	6.3	6.0
6	5.8	5.3	---	---	---	---	6.1	5.5	6.6	6.5	---	---
7	5.9	5.4	---	---	---	---	6.4	5.7	6.9	5.8	---	---
8	5.7	5.4	---	---	---	---	6.4	6.1	6.2	5.8	---	---
9	5.9	5.4	5.7	5.6	---	---	7.2	6.1	7.0	6.3	6.7	6.1
10	6.0	5.4	5.9	5.6	---	---	7.1	6.0	6.6	6.5	---	---
11	6.0	5.5	6.2	5.9	---	---	6.3	6.0	6.6	6.4	---	---
12	5.7	5.5	6.4	6.2	---	---	6.5	6.2	6.4	6.1	---	---
13	5.7	5.5	6.5	6.2	5.8	5.7	7.0	6.5	6.1	6.0	---	---
14	5.8	5.4	6.6	6.5	5.8	5.7	7.2	6.6	---	---	---	---
15	5.8	5.4	6.7	6.3	5.8	5.7	7.2	6.6	---	---	---	---
16	5.8	5.4	6.5	6.3	5.8	5.7	---	---	---	---	---	---
17	5.9	5.5	6.7	6.5	5.8	5.8	7.1	6.4	---	---	---	---
18	5.9	5.5	6.9	6.7	5.9	5.8	6.6	6.2	---	---	---	---
19	6.0	5.5	7.1	6.8	5.9	5.9	6.6	6.3	5.9	5.6	5.9	5.7
20	6.0	5.5	7.0	6.8	5.9	5.9	6.8	5.8	---	---	5.8	5.4
21	5.9	5.6	6.9	6.6	---	---	6.3	6.0	---	---	5.7	5.0
22	5.8	5.6	6.7	6.5	---	---	6.3	6.0	---	---	6.0	5.0
23	6.1	5.8	---	---	---	---	6.0	5.9	---	---	---	---
24	6.2	5.7	---	---	---	---	6.1	5.9	---	---	---	---
25	6.0	5.7	---	---	---	---	6.0	5.9	---	---	---	---
26	5.8	5.8	---	---	6.8	6.7	6.0	5.9	---	---	---	---
27	5.9	5.8	---	---	6.7	6.6	---	---	---	---	---	---
28	6.1	5.9	---	---	6.6	6.3	---	---	5.7	5.1	---	---
29	6.4	6.1	---	---	6.5	6.3	7.2	---	---	---	---	---
30	6.6	6.4	---	---	6.5	6.3	7.3	6.8	---	---	---	---
31	---	---	---	---	---	---	---	6.8	---	---	---	---
MONTH	7.0	5.3	---	---	---	---	7.3	5.5	---	---	---	---
YEAR	7.5	4.9										

03592800 YELLOW CREEK NEAR DOSKIE, MISS.--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	14.0	9.0	16.0	11.5	---	---	16.5	11.5	9.5	8.0
2	20.5	20.0	15.0	13.0	17.0	12.0	---	---	---	---	11.0	9.0
3	22.0	20.0	15.5	15.0	20.0	13.5	---	---	---	---	16.0	13.0
4	22.0	20.5	20.0	14.5	20.0	14.0	---	---	9.0	5.5	17.0	13.0
5	22.0	18.5	15.0	12.0	---	---	---	---	8.0	6.0	17.0	13.0
6	21.5	20.0	12.5	11.0	8.0	5.0	---	---	9.5	7.0	16.5	13.5
7	23.0	21.0	11.0	10.5	7.5	6.5	---	---	9.0	5.5	17.0	13.0
8	23.0	22.0	13.0	12.0	7.0	6.0	---	---	7.5	4.5	17.0	13.5
9	---	---	13.0	11.0	7.0	6.0	10.0	---	6.5	3.5	16.5	14.0
10	---	---	11.0	9.0	6.5	6.0	11.5	10.0	7.0	3.0	17.0	14.0
11	---	---	13.0	9.5	---	---	12.0	9.0	7.0	3.5	16.0	14.0
12	---	---	10.0	8.0	---	---	10.0	7.5	7.5	3.0	17.0	14.0
13	---	---	11.0	9.0	---	---	8.5	6.5	8.0	4.5	15.0	12.0
14	---	---	14.0	11.0	---	---	9.0	8.5	10.0	6.0	13.5	11.0
15	---	---	15.5	8.5	---	---	10.0	9.0	10.0	6.5	15.5	12.0
16	---	---	11.0	8.5	---	---	11.0	10.0	7.5	6.0	13.0	12.0
17	---	---	11.5	7.5	---	---	12.0	11.0	7.0	5.0	12.0	10.0
18	---	---	12.0	10.0	---	---	12.5	12.0	7.0	3.5	12.5	11.0
19	---	---	11.0	11.0	---	---	13.0	12.0	7.5	4.5	17.0	13.0
20	---	---	---	---	7.0	6.0	13.5	13.0	8.0	5.0	17.5	13.0
21	---	---	---	---	5.0	3.0	13.0	12.0	10.0	6.0	17.0	11.0
22	---	---	---	---	5.0	3.5	12.0	11.0	9.0	6.0	---	---
23	14.5	12.0	---	---	7.0	5.0	13.0	11.5	7.0	5.0	---	---
24	15.0	12.5	---	---	10.5	7.0	11.0	10.0	8.0	5.0	---	---
25	15.0	13.0	---	---	14.0	11.0	12.0	10.0	5.5	4.5	11.0	9.0
26	15.0	14.0	19.0	17.0	14.0	9.5	14.5	12.0	6.0	4.5	---	---
27	15.0	13.5	18.0	14.0	9.5	9.0	14.0	13.0	5.5	3.5	---	---
28	15.0	12.5	---	---	12.0	8.0	15.5	14.0	7.0	4.0	---	---
29	12.5	10.0	14.0	12.5	15.0	11.5	16.0	13.0	---	---	---	---
30	14.0	12.5	15.0	11.0	13.5	12.0	14.0	11.0	---	---	---	---
31	12.5	12.0	---	---	13.5	13.0	15.5	11.0	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	16.5	3.0	---	---

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	21.0	20.0	21.0	19.5	22.5	20.5	17.5	15.0
2	---	---	---	---	22.0	20.0	21.0	20.5	23.0	21.0	17.0	15.0
3	---	---	---	---	21.0	19.0	22.0	21.0	24.5	22.0	18.0	16.0
4	---	---	---	---	20.0	19.0	22.0	21.0	22.5	21.0	16.5	15.0
5	13.0	11.5	---	---	21.0	20.0	23.0	21.0	21.5	19.0	16.5	15.0
6	13.0	10.5	---	---	21.0	20.0	22.5	21.0	20.0	18.5	18.0	16.0
7	12.5	11.0	---	---	22.0	20.5	22.0	21.0	20.0	19.0	19.0	16.5
8	13.0	11.5	---	---	22.0	21.0	21.5	21.0	21.0	19.5	19.0	17.0
9	12.5	10.0	---	---	25.0	21.0	22.0	21.0	21.5	20.0	19.0	18.0
10	13.5	10.0	20.0	17.0	22.5	21.0	22.0	21.0	22.0	20.0	21.0	19.0
11	14.5	12.0	19.5	19.0	21.5	19.0	22.5	21.0	22.0	21.0	22.0	20.0
12	14.5	13.5	21.0	19.0	20.0	18.0	23.0	21.0	23.0	22.0	25.0	21.0
13	15.5	13.0	21.0	18.0	20.0	19.0	23.0	21.5	22.0	21.0	23.0	22.0
14	16.5	14.5	22.0	20.0	20.5	19.0	23.0	21.0	22.0	21.0	21.0	20.0
15	15.5	13.0	22.0	21.0	20.5	19.0	22.5	21.0	22.5	21.0	20.0	18.0
16	13.5	11.5	24.0	21.5	21.0	20.0	22.0	20.5	21.5	21.0	18.0	16.0
17	14.0	12.0	---	---	20.0	18.0	22.5	21.0	22.0	21.0	18.0	17.0
18	14.0	12.0	---	---	19.0	18.0	22.5	21.5	22.0	21.0	18.0	16.5
19	15.0	12.5	---	---	19.0	18.0	24.0	22.0	21.0	19.0	18.0	16.5
20	15.5	13.5	---	---	21.0	20.0	24.0	22.0	---	---	19.0	17.5
21	15.5	14.5	---	---	21.0	19.0	23.0	21.0	---	---	21.0	19.0
22	16.5	14.5	20.5	20.0	20.5	19.0	23.0	22.0	---	---	20.0	17.0
23	16.0	15.0	21.0	20.0	21.0	18.5	23.0	22.0	---	---	18.0	18.0
24	15.5	13.0	21.0	19.0	20.0	18.0	22.0	20.0	---	---	---	---
25	15.0	12.0	20.5	19.0	19.0	17.0	22.0	20.5	---	---	---	---
26	16.0	13.0	20.0	18.0	19.0	17.0	---	---	---	---	---	---
27	17.0	15.0	18.5	16.5	19.5	17.0	---	---	---	---	---	---
28	17.0	16.0	19.0	17.0	20.0	17.5	---	---	---	---	---	---
29	---	---	21.0	19.0	20.0	18.0	---	---	21.5	18.0	---	---
30	---	---	21.0	20.5	21.0	18.0	---	---	19.0	17.0	---	---
31	---	---	21.5	20.5	---	---	24.0	21.0	17.5	17.0	---	---
MONTH	17.0	10.0	---	---	25.0	17.0	24.0	19.5	---	---	---	---
YEAR	25.0	3.0										

03592800 YELLOW CREEK NEAR DOSKIE, MISS.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.6	7.3	11.1	10.2	10.5	9.9	---	---	9.6	8.9	11.3	10.5
2	7.8	7.4	10.2	9.7	10.8	10.3	---	---	9.1	8.8	11.3	10.0
3	8.1	6.5	11.4	11.3	---	---	---	---	---	---	10.7	9.4
4	7.9	4.7	11.6	11.3	12.4	11.6	---	---	---	---	10.0	7.8
5	8.8	4.1	11.8	10.5	12.0	12.7	---	---	13.1	12.5	10.3	7.7
6	9.7	8.7	12.0	11.5	12.7	12.5	---	---	12.5	11.8	10.2	7.4
7	9.2	8.2	11.9	11.2	12.9	12.6	---	---	13.0	11.6	10.1	7.1
8	8.9	8.0	10.7	7.7	12.8	12.3	---	---	13.5	12.6	9.9	7.0
9	---	---	11.0	6.9	12.6	11.7	10.5	10.3	13.7	13.1	10.3	7.6
10	---	---	12.0	11.5	11.7	10.7	10.7	10.2	13.6	12.6	10.1	5.8
11	---	---	12.3	10.9	10.8	10.2	10.6	7.4	13.4	12.0	6.3	5.4
12	---	---	11.8	8.3	---	---	11.7	10.9	13.1	11.8	10.0	7.8
13	---	---	9.2	8.3	---	---	12.7	11.8	12.8	11.6	10.1	6.9
14	---	---	8.7	8.0	---	---	12.7	11.6	---	---	10.2	9.8
15	---	---	8.4	6.2	---	---	12.1	11.3	10.4	9.9	10.8	9.3
16	---	---	8.4	6.1	---	---	11.7	11.3	12.1	10.1	9.9	4.5
17	---	---	9.8	8.8	---	---	11.5	11.1	12.1	10.4	8.2	7.5
18	---	---	10.7	9.7	---	---	11.5	11.3	11.8	10.7	10.7	7.8
19	---	---	---	---	---	---	11.5	11.0	12.2	10.9	8.1	7.2
20	---	---	---	---	12.8	11.4	11.2	10.5	11.6	10.8	8.0	6.7
21	---	---	---	---	12.6	11.7	11.1	10.6	11.4	10.2	7.7	6.5
22	---	---	---	---	13.0	12.0	11.4	10.7	11.2	10.0	7.0	5.6
23	11.0	10.2	---	---	12.1	11.4	11.9	11.2	12.6	11.1	6.7	4.5
24	10.4	9.7	---	---	12.0	10.9	12.3	11.7	11.8	11.0	7.0	5.4
25	9.8	9.5	---	---	10.9	8.9	11.7	10.8	12.3	11.8	9.6	7.9
26	9.8	9.5	---	---	11.7	11.3	11.7	10.7	12.9	12.1	9.9	7.5
27	10.0	9.6	11.6	7.1	---	---	11.8	11.0	12.6	10.7	---	---
28	10.1	9.6	---	---	11.9	9.6	---	---	12.6	11.2	---	---
29	10.7	9.9	---	---	9.9	9.5	9.8	8.6	---	---	---	---
30	10.8	10.2	---	---	10.2	9.5	9.8	8.5	---	---	---	---
31	10.5	10.1	---	---	10.1	9.4	9.6	8.7	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	13.7	8.8	11.3	4.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	7.3	6.3	---	---	7.2	6.5	7.5	6.4	---	---
2	---	---	7.0	5.9	---	---	7.2	6.2	7.7	6.3	---	---
3	---	---	6.3	5.7	---	---	6.3	5.9	7.6	6.2	---	---
4	---	---	8.0	6.6	---	---	6.3	5.3	6.5	5.3	---	---
5	11.5	11.1	8.4	7.5	---	---	5.3	5.4	8.3	5.6	---	---
6	11.7	10.8	---	---	---	---	5.1	5.2	9.0	8.3	---	---
7	11.0	10.2	---	---	---	---	5.4	5.1	8.9	6.1	---	---
8	10.1	9.6	---	---	---	---	7.1	5.2	8.2	6.2	---	---
9	10.8	9.1	8.9	6.5	---	---	7.2	5.1	8.3	6.7	6.5	6.3
10	10.7	9.9	8.9	6.4	---	---	6.8	5.5	6.8	6.0	6.4	6.1
11	10.4	9.5	8.6	6.4	7.7	6.3	6.3	5.5	6.4	6.0	6.5	5.8
12	9.9	4.7	8.7	6.6	8.0	6.7	5.8	5.7	7.0	6.5	---	---
13	---	---	9.8	6.2	9.1	6.5	6.4	5.3	6.8	6.3	---	---
14	---	---	9.2	6.5	8.4	6.1	5.8	5.7	8.3	6.7	---	---
15	---	---	7.4	6.3	6.4	5.2	5.8	5.5	7.8	6.6	---	---
16	---	---	7.2	6.3	6.0	5.3	7.2	5.7	6.8	6.4	---	---
17	---	---	7.3	6.7	6.0	5.1	7.0	6.5	7.1	6.4	---	---
18	---	---	8.0	7.0	5.6	4.5	7.2	6.2	6.5	6.1	---	---
19	---	---	7.9	7.1	6.2	4.7	6.6	6.0	6.7	6.4	---	---
20	---	---	8.0	7.2	5.3	4.8	6.3	6.1	[illegible]	6.4	---	---
21	---	---	8.1	7.0	6.8	4.6	5.9	5.2	6.6	6.2	---	---
22	---	---	8.0	7.5	6.1	4.6	5.5	5.8	6.6	6.0	---	---
23	---	---	---	---	6.6	4.5	5.9	5.3	6.4	5.8	---	---
24	---	---	---	---	6.8	4.9	6.4	5.9	6.3	5.8	---	---
25	8.8	7.2	---	---	8.3	6.0	6.6	6.2	6.2	5.9	---	---
26	9.5	8.4	---	---	8.8	6.0	6.4	5.3	6.2	5.6	---	---
27	9.4	6.5	---	---	6.3	5.6	6.0	5.2	6.8	5.4	---	---
28	8.1	6.1	---	---	6.1	5.5	6.2	5.2	6.8	5.4	---	---
29	6.4	6.0	---	---	5.8	5.3	6.3	5.2	---	---	---	---
30	6.9	6.2	---	---	6.1	5.5	6.4	5.5	---	---	---	---
31	---	---	---	---	---	---	6.8	6.2	---	---	---	---
MONTH	---	---	---	---	---	---	7.2	5.0	9.0	5.3	---	---
YEAR	13.7	4.1										

03592830 YELLOW CREEK AT GOAT ISLAND NEAR DOSKIE, MISS.

LOCATION.--Lat 34°57'13", long 88°13'14", in NW¼ sec.35, T.1 S., R.10 E., Chickasaw meridian, Tishomingo County, in Yellow Creek Embayment of Pickwick Lake at Mile 6 (9.6 km).
PERIOD OF RECORD.--Chemical analyses: June to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DEPTH (FT)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	SUSPENDED MAGNESIUM (MG) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)
JUNE											
11...	1215	1.0	1200	50	5.0	1.0	--	1.2	22	--	18
11...	1230	15	2300	80	5.0	.9	--	1.1	15	--	12
11...	1245	25	3600	150	3.8	.9	--	.9	10	--	8
24...	1100	1.0	1100	130	7.6	2.0	.5	1.5	23	--	19
24...	1115	10	1200	150	7.6	1.8	.4	1.4	23	--	19
24...	1145	21	5800	380	7.0	2.0	.6	1.4	22	--	18
JULY											
09...	1200	1.0	--	--	--	--	--	--	--	--	--
09...	1202	5.0	--	--	--	--	--	--	--	--	--
09...	1205	10	--	--	--	--	--	--	--	--	--
09...	1208	15	--	--	--	--	--	--	--	--	--
09...	1211	20	--	--	--	--	--	--	--	--	--
09...	1215	23	--	--	--	--	--	--	--	--	--
24...	1320	1.0	--	--	17	--	--	3.6	40	--	33
24...	1325	5.0	--	--	--	--	--	--	--	--	--
24...	1330	10	--	--	--	--	--	--	--	--	--
24...	1335	15	--	--	9.4	--	--	2.2	36	--	30
24...	1340	20	--	--	--	--	--	--	--	--	--
24...	1345	23	--	--	10	--	--	2.3	38	--	31
AUG.											
13...	1330	1.0	--	--	--	--	--	--	--	--	--
13...	1332	5.0	--	--	--	--	--	--	--	--	--
13...	1335	10	--	--	--	--	--	--	--	--	--
13...	1338	15	--	--	--	--	--	--	--	--	--
13...	1340	19	--	--	--	--	--	--	--	--	--
28...	1300	1.0	--	--	--	--	--	--	38	0	31
28...	1302	5.0	--	--	--	--	--	--	--	--	--
28...	1305	10	--	--	--	--	--	--	45	0	37
28...	1308	15	--	--	--	--	--	--	--	--	--
28...	1310	19	--	--	--	--	--	--	44	0	36
SEP.											
10...	1035	1.0	--	--	--	--	--	--	--	--	--
10...	1038	5.0	--	--	--	--	--	--	--	--	--
10...	1040	10	--	--	--	--	--	--	--	--	--
10...	1042	15	--	--	--	--	--	--	--	--	--
10...	1045	22	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
JUNE											
11...	4.3	2.4	.06	.01	.07	.09	.18	.27	.34	1.5	.02
11...	4.0	2.2	.08	.01	.09	.07	.28	.35	.44	1.9	.06
11...	4.0	2.2	.10	.01	.11	.01	.49	.58	.61	2.7	.07
24...	4.8	2.4	.06	.00	.06	.02	.43	.45	.51	2.3	.01
24...	4.7	2.2	.06	.00	.06	.06	.39	.45	.51	2.3	.01
24...	4.6	1.8	.01	.00	.01	.00	.56	.56	.57	2.5	.01
JULY											
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
24...	6.2	2.6	.00	.00	.00	.03	.27	.30	.30	1.3	.02
24...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	5.9	2.6	.00	.01	.01	.02	.34	.36	.37	1.6	.02
24...	--	--	--	--	--	--	--	--	--	--	--
24...	7.3	3.2	.02	.01	.03	.12	.39	.51	.54	2.4	.04
AUG.											
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
28...	6.8	3.2	.00	.00	.00	.09	.32	.41	.41	1.8	.03
28...	--	--	--	--	--	--	--	--	--	--	--
28...	6.7	3.0	.04	.00	.04	.06	.24	.30	.34	1.5	.02
28...	--	--	--	--	--	--	--	--	--	--	--
28...	7.3	1.6	.08	.00	.08	.01	.32	.33	.41	1.8	.03
SEP.											
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--

03592830 YELLOW CREEK AT GOAT ISLAND NEAR DOSKIE, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	SUS-PENDED SOLIDS (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
JUNE											
11...	.00	43	.06	21	17	0	50	7.1	26.0	20	8.2
11...	.01	34	.05	53	17	5	40	6.9	24.0	40	6.8
11...	.01	45	.06	76	13	5	36	6.5	23.0	200	5.7
24...	.01	74	.10	21	25	6	65	6.7	24.0	20	6.2
24...	.00	36	.05	10	25	6	60	6.4	24.0	20	5.8
24...	.01	48	.07	137	23	5	60	5.6	24.0	30	5.7
JULY											
09...	--	--	--	--	--	--	75	7.5	27.0	7	9.2
09...	--	--	--	--	--	--	80	--	26.5	--	8.3
09...	--	--	--	--	--	--	95	7.0	26.0	20	6.2
09...	--	--	--	--	--	--	85	--	25.0	--	4.1
09...	--	--	--	--	--	--	70	--	25.0	--	2.7
09...	--	--	--	--	--	--	68	6.7	25.0	30	2.7
24...	.01	54	.07	0	57	24	90	7.0	30.0	1	7.5
24...	--	--	--	--	--	--	85	--	29.0	--	7.2
24...	--	--	--	--	--	--	85	--	28.5	--	6.4
24...	.00	51	.07	0	33	3	90	6.9	28.0	2	5.7
24...	--	--	--	--	--	--	90	--	28.0	--	4.0
24...	.00	52	.07	23	34	3	95	6.4	28.0	20	2.5
AUG.											
13...	--	--	--	--	--	--	95	7.3	28.0	7	6.7
13...	--	--	--	--	--	--	95	--	27.0	--	5.6
13...	--	--	--	--	--	--	95	7.1	27.0	8	4.8
13...	--	--	--	--	--	--	100	--	27.0	--	4.1
13...	--	--	--	--	--	--	100	7.0	27.0	50	3.8
29...	.01	62	.08	6	--	--	90	8.0	29.0	5	7.2
29...	--	--	--	--	--	--	95	--	29.0	--	6.8
29...	.01	61	.08	13	--	--	100	7.5	29.0	8	5.3
29...	--	--	--	--	--	--	105	--	28.5	--	3.0
29...	.01	76	.11	12	--	--	110	7.7	28.0	10	1.6
SEP.											
10...	--	--	--	--	--	--	95	7.5	23.0	6	7.8
10...	--	--	--	--	--	--	100	--	23.0	--	7.1
10...	--	--	--	--	--	--	100	7.2	23.0	50	6.4
10...	--	--	--	--	--	--	100	--	23.0	--	5.3
10...	--	--	--	--	--	--	95	6.9	23.0	30	4.7

DATE	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	PHENOLS (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY IN BOTTOM DE-POSITS (UG/G)	TOTAL ZINC (ZN) (UG/L)
JUNE											
11...	40	--	2.8	1	8	2	0	240	8	--	80
11...	28	--	3.0	1	11	0	0	47	22	--	30
11...	30	2.5	5.1	4	0	1	0	41	22	.1	20
24...	5	1.3	7.3	2	7	1	20	0	7	--	0
24...	11	1.3	15	2	0	1	0	16	21	--	20
24...	12	1.2	48	1	0	1	0	30	29	.2	30
JULY											
09...	--	1.0	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	.0	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	.0	--	--	--	--	--	--	--	--	--
24...	4	--	4.4	0	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	--	1.3	--	--	--	--	--	--	--	--	--
24...	6	--	7.3	2	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	7	--	24	2	--	--	--	--	--	.8	--
AUG.											
13...	--	.8	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	1.4	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	1.2	--	--	--	--	--	--	--	--	--
29...	12	1.0	.6	0	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	12	1.1	2.3	4	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
29...	8	.0	1.4	2	--	--	--	--	--	6.6	--
SEP.											
10...	--	1.6	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	1.0	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	.8	--	--	--	--	--	--	--	--	--

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.

LOCATION.--Lat 34°59'25", long 88°12'48", in SW sec.14, T.1 S., R.10 E., Chickasaw meridian, Tishomingo County, in Yellow Creek Embayment at Pickwick Lake at Mile 1 (1.6 km).

PERIOD OF RECORD.--Chemical analyses: June to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DEPTH (FT)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	SUSPENDED MAGNESIUM (MG) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)
JUNE											
11...	1000	1.0	240	17	13	2.8	--	2.6	48	--	39
11...	1015	15	360	33	14	2.9	--	2.8	48	--	39
11...	1045	30	550	63	15	2.9	--	3.0	57	--	47
11...	1100	40	13000	520	13	2.9	--	2.5	45	--	37
24...	0830	1.0	240	38	19	3.6	.7	3.1	64	--	53
24...	0900	15	230	25	19	4.0	.9	3.1	62	--	51
24...	0930	30	940	153	16	3.3	.7	2.6	51	--	42
24...	1000	37	2100	270	16	3.3	.7	2.6	49	--	40
JULY											
09...	1015	1.0	--	--	--	--	--	--	--	--	--
09...	1017	5.0	--	--	--	--	--	--	--	--	--
09...	1020	10	--	--	--	--	--	--	--	--	--
09...	1022	15	--	--	--	--	--	--	--	--	--
09...	1025	20	--	--	--	--	--	--	--	--	--
09...	1027	25	--	--	--	--	--	--	--	--	--
09...	1030	30	--	--	--	--	--	--	--	--	--
09...	1032	36	--	--	--	--	--	--	--	--	--
24...	1105	1.0	--	--	16	--	--	3.6	64	--	52
24...	1110	5.0	--	--	--	--	--	--	--	--	--
24...	1115	10	--	--	--	--	--	--	--	--	--
24...	1120	15	--	--	16	--	--	3.5	66	--	54
24...	1125	20	--	--	--	--	--	--	--	--	--
24...	1130	25	--	--	--	--	--	--	--	--	--
24...	1135	30	--	--	--	--	--	--	--	--	--
24...	1140	34	--	--	16	--	--	3.5	60	--	54
AUG.											
13...	1230	1.0	--	--	--	--	--	--	--	--	--
13...	1232	5.0	--	--	--	--	--	--	--	--	--
13...	1235	10	--	--	--	--	--	--	--	--	--
13...	1238	15	--	--	--	--	--	--	--	--	--
13...	1240	20	--	--	--	--	--	--	--	--	--
13...	1242	25	--	--	--	--	--	--	--	--	--
13...	1245	33	--	--	--	--	--	--	--	--	--
28...	1100	1.0	--	--	--	--	--	--	--	--	--
28...	1102	5.0	--	--	--	--	--	--	65	0	53
28...	1105	10	--	--	--	--	--	--	--	--	--
28...	1108	15	--	--	--	--	--	--	61	0	50
28...	1110	20	--	--	--	--	--	--	--	--	--
28...	1112	25	--	--	--	--	--	--	68	0	56
28...	1114	30	--	--	--	--	--	--	--	--	--
28...	1115	35	--	--	--	--	--	--	--	--	--
SEP.											
10...	0945	1.0	--	--	--	--	--	--	62	0	51
10...	0950	5.0	--	--	--	--	--	--	--	--	--
10...	0950	10	--	--	--	--	--	--	--	--	--
10...	1002	15	--	--	--	--	--	--	--	--	--
10...	1005	20	--	--	--	--	--	--	--	--	--
10...	1008	25	--	--	--	--	--	--	--	--	--
10...	1010	33	--	--	--	--	--	--	--	--	--

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)
JUNE											
11...	8.4	4.7	.17	.01	.18	.04	.15	.19	.37	1.6	.02
11...	8.2	4.2	.19	.01	.20	.04	.05	.09	.29	1.3	.03
11...	8.8	4.7	.31	.01	.32	.07	.13	.20	.52	2.3	.06
11...	8.1	4.1	.34	.02	.36	.09	.42	.51	.87	3.9	.05
24...	9.2	3.7	.15	.00	.15	.00	.53	.53	.68	3.0	.04
24...	8.9	5.5	.30	.01	.31	.04	.30	.34	.65	2.9	.04
24...	8.7	5.1	.32	.00	.32	.05	.20	.25	.57	2.5	.05
24...	8.0	5.0	.24	.00	.24	.00	2.4	2.4	2.6	12	.10
JULY											
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
24...	9.9	4.1	.09	.01	.09	.01	.31	.32	.41	1.8	.03
24...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	9.5	4.4	.12	.01	.13	.05	.25	.30	.43	1.9	.03
24...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	9.4	4.4	.26	.01	.27	.01	.26	.27	.54	2.4	.21
AUG.											
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
28...	10	4.9	.25	.00	.25	.08	.21	.29	.54	2.4	.03
28...	--	--	--	--	--	--	--	--	--	--	--
28...	11	4.7	.06	.00	.06	.02	.27	.29	.35	1.6	.03
28...	--	--	--	--	--	--	--	--	--	--	--
28...	12	5.5	.26	.00	.26	.00	.18	.18	.44	1.9	.04
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	12	5.5	.26	.00	.26	.01	.24	.25	.51	2.3	.04
SEP.											
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	SUS-PENDED SOLIDS (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
JUNE											
11...	.00	71	.10	6	43	4	105	6.7	--	8	8.1
11...	.01	66	.09	9	47	7	105	6.9	24.5	10	8.2
11...	.01	81	.11	19	50	3	120	6.9	23.0	20	6.5
11...	.01	72	.10	36	43	6	100	6.9	23.0	30	5.1
24...	.01	70	.10	10	60	8	145	7.1	24.0	9	7.7
24...	.02	80	.11	14	60	9	150	7.1	24.0	7	6.5
24...	.01	76	.10	24	51	9	135	6.7	24.0	10	3.8
24...	.01	92	.13	336	51	10	130	6.7	23.5	50	2.4
JULY											
09...	--	--	--	--	--	--	130	7.7	27.0	3	9.1
09...	--	--	--	--	--	--	135	--	26.5	--	9.0
09...	--	--	--	--	--	--	140	7.4	26.0	5	8.4
09...	--	--	--	--	--	--	150	--	26.0	--	8.0
09...	--	--	--	--	--	--	155	7.0	25.5	6	6.6
09...	--	--	--	--	--	--	160	--	25.0	--	6.4
09...	--	--	--	--	--	--	145	--	25.0	--	4.3
09...	--	--	--	--	--	--	130	6.9	24.0	--	2.4
24...	.01	82	.11	3	55	2	155	7.6	29.0	3	8.1
24...	--	--	--	--	--	--	155	--	28.5	--	7.8
24...	--	--	--	--	--	--	160	--	28.0	--	7.4
24...	.00	78	.11	8	54	0	160	7.2	28.0	3	6.7
24...	--	--	--	--	--	--	160	--	28.0	--	6.2
24...	--	--	--	--	--	--	160	--	28.0	--	5.3
24...	--	--	--	--	--	--	160	--	28.0	--	4.5
24...	.00	78	.11	32	54	5	145	6.8	27.0	9	1.5
AUG.											
13...	--	--	--	--	--	--	165	7.2	27.5	3	6.8
13...	--	--	--	--	--	--	160	--	27.5	--	6.6
13...	--	--	--	--	--	--	160	7.3	27.5	4	6.3
13...	--	--	--	--	--	--	155	--	27.5	--	6.2
13...	--	--	--	--	--	--	160	7.4	27.0	2	6.0
13...	--	--	--	--	--	--	160	--	27.0	--	5.7
13...	--	--	--	--	--	--	175	7.3	27.0	10	4.4
28...	.04	90	.12	4	--	--	150	8.3	29.0	7	8.9
28...	--	--	--	--	--	--	155	--	29.0	--	8.3
28...	.03	86	.12	0	--	--	160	8.4	29.0	4	7.4
28...	--	--	--	--	--	--	165	--	29.0	--	7.0
28...	.04	118	.16	4	--	--	175	7.8	29.0	4	7.0
28...	--	--	--	--	--	--	170	--	28.0	--	4.1
28...	--	--	--	--	--	--	165	--	28.0	--	2.7
28...	.02	107	.15	14	--	--	160	7.8	27.5	10	1.8
SEP.											
10...	--	--	--	--	--	--	170	7.2	24.0	5	6.7
10...	--	--	--	--	--	--	175	--	24.0	--	6.4
10...	--	--	--	--	--	--	175	7.3	24.5	6	6.3
10...	--	--	--	--	--	--	170	--	24.5	--	6.2
10...	--	--	--	--	--	--	165	7.3	24.0	6	5.8
10...	--	--	--	--	--	--	160	--	24.0	--	5.5
10...	--	--	--	--	--	--	120	6.9	23.5	20	4.1

03592890 YELLOW CREEK AT MILE ONE NEAR PINE FLAT, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	PHENOLS (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY IN BOTTOM DEPOSITS (UG/G)	TOTAL ZINC (ZN) (UG/L)
JUNE											
11...	12	1.3	15	1	0	0	0	5	7	--	3
11...	17	--	9.7	0	5	0	0	360	40	--	150
11...	19	--	11	4	0	1	0	5	15	--	10
11...	46	--	9.1	0	5	0	20	86	0	.1	210
24...	9	.6	8.1	0	0	2	20	1	13	--	0
24...	2	1.1	7.9	4	2	3	0	40	110	--	30
24...	2	.5	16	2	0	3	0	32	28	--	30
24...	12	--	16	0	0	1	0	21	27	.2	0
JULY											
09...	--	2.0	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	.8	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	1.0	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
24...	2	--	2.6	8	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	7	--	5.7	1	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--
24...	4	1.5	6.7	3	--	--	--	--	--	.1	--
AUG.											
13...	--	.5	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	.8	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	1.0	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	1.2	--	--	--	--	--	--	--	--	--
28...	12	.8	.5	2	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	.4	2	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	8	.6	1.7	0	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--
28...	12	.9	1.6	3	--	--	--	--	--	.8	--
SEP.											
10...	--	.7	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	.7	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	.8	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	.6	--	--	--	--	--	--	--	--	--

07287500 YAZOO RIVER AT YAZOO CITY, MISS.

LOCATION.--Lat 32°52'45", long 90°29'25", in SE¼ sec.30, T.12 N., R.3 W., at downstream side of bridge on U.S. Highway 49 W., one mile (1.6 km) northwest of Yazoo City.

DRAINAGE AREA.--8,580 mi² (22,220 km²).

PERIOD OF RECORD.--Chemical analyses: February to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)
FEB.											
28...	1800	18200	--	--	--	--	--	--	--	--	--
MAR.											
13...	1700	17400	4.6	6300	--	--	--	--	--	.24	.13
28...	1530	15800	4.9	4700	--	--	--	--	--	.28	.31
APR.											
11...	1330	15600	5.2	7000	--	--	--	--	--	.33	.32
23...	1445	15400	--	--	57	0	47	12	5.0	--	--
MAY											
06...	1400	10200	6.2	10000	--	--	--	--	--	.70	.00
21...	1400	11300	4.5	25000	--	--	--	--	--	.57	.00
JUNE											
04...	1330	14800	6.2	12000	--	--	--	--	--	.80	.17
14...	1330	15600	6.1	11000	--	--	--	--	--	.50	.24
JULY											
08...	1330	14000	--	--	28	0	23	6.5	3.3	--	--
22...	1315	11700	5.7	7000	--	--	--	--	--	.29	.11
AUG.											
09...	1130	11400	5.6	6100	--	--	--	--	--	.25	.12
20...	1230	10800	5.6	5500	--	--	--	--	--	.24	.23
SEP.											
03...	1400	12600	6.5	5600	--	--	--	--	--	.30	.14
16...	1500	9800	6.0	4700	--	--	--	--	--	.32	.07
30...	1500	10400	5.7	3200	--	--	--	--	--	.20	.08

DATE	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	TOTAL NONFILTRABLE RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
FEB.										
28...	--	--	--	--	--	--	--	--	--	58
MAR.										
13...	.24	.37	.61	2.7	.27	50	.07	2350	106	60
28...	.59	.90	1.2	5.2	.16	52	.07	2220	127	65
APR.										
11...	.09	.41	.74	3.3	.22	43	.06	1810	60	69
23...	--	--	--	--	--	--	--	--	--	128
MAY										
06...	.60	.60	1.3	5.8	.39	117	.16	3220	333	95
21...	1.8	1.8	2.4	11	.82	72	.10	2200	603	54
JUNE										
04...	.57	.74	1.5	6.8	.44	56	.08	2240	266	63
14...	.74	.98	1.5	6.6	.21	60	.08	2530	260	75
JULY										
08...	--	--	--	--	--	--	--	--	--	70
22...	.78	.89	1.2	5.2	.30	52	.07	1640	260	60
AUG.										
09...	.78	.90	1.2	5.1	.22	176	.24	5420	316	78
20...	.60	.83	1.1	4.7	.21	57	.08	1660	164	75
SEP.										
03...	.86	1.0	1.3	5.8	.22	64	.09	2180	129	73
16...	.49	.56	.88	3.9	.19	69	.09	1830	182	80
30...	.32	.40	.60	2.7	.14	78	.11	2190	126	80

07287500 YAZOO RIVER AT YAZOO CITY, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)
FEB.										
28...	6.6	11.0	--	10.4	--	--	--	--	--	6500
MAR.										
13...	6.1	16.0	100	7.0	23	--	--	--	--	--
28...	6.8	16.0	100	8.5	20	--	--	19	20	--
APR.										
11...	6.9	16.0	200	7.5	16	--	--	19	20	--
23...	6.8	20.0	--	6.2	28	1.0	14	20	44	--
MAY										
06...	6.5	22.0	200	5.6	4	--	--	15	29	--
21...	6.4	25.0	300	5.0	20	--	--	33	62	--
JUNE										
04...	6.0	25.0	100	5.0	18	--	--	--	--	--
14...	5.7	14.0	200	7.2	40	--	--	18	31	--
JULY										
08...	5.9	27.0	--	4.9	--	--	56	--	--	--
22...	6.3	29.0	50	4.7	39	--	--	--	--	--
AUG.										
09...	6.6	27.2	100	5.5	22	--	--	--	--	--
20...	6.5	28.0	80	5.5	25	--	--	--	--	--
SEP.										
03...	6.4	24.0	90	5.7	20	--	--	--	--	--
16...	6.2	26.0	80	6.5	28	--	--	--	--	--
30...	6.7	22.0	5	7.6	18	--	--	--	--	--

DATE	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
FEB.										
28...	246	280	--	--	--	--	--	--	--	--
MAR.										
13...	--	--	10	0	--	--	--	--	--	--
28...	--	--	7.0	1	--	--	--	--	--	--
APR.										
11...	--	--	9.0	6	--	--	--	--	--	--
23...	--	--	14	3	13	1	0	17	.0	80
MAY										
06...	--	--	16	2	--	--	--	--	--	--
21...	--	--	13	2	--	--	--	--	--	--
JUNE										
04...	--	--	12	1	--	--	--	--	--	--
14...	--	--	9.6	1	--	--	--	--	--	--
JULY										
08...	--	--	9.5	2	6	0	20	29	.2	100
22...	--	--	9.5	0	--	--	--	--	--	--
AUG.										
09...	--	--	6.4	0	--	--	--	--	--	--
20...	--	--	6.1	2	--	--	--	--	--	--
SEP.										
03...	--	--	5.5	0	--	--	--	--	--	--
16...	--	--	5.5	0	--	--	--	--	--	--
30...	--	--	5.3	0	--	--	--	--	--	--

07288800 YAZOO RIVER AT REDWOOD, MISS.

LOCATION.--Lat 32°29'16", long 90°49'00", at Illinois Central Railroad bridge 0.55 mi (0.88 km) downstream from U.S. Highway 61 and 0.95 mi (1.53 km) northwest of Redwood.

DRAINAGE AREA.--12,603 mi^2 (33,642 km^2).

PERIOD OF RECORD.--Chemical analyses: December 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
DEC.										
07...	1300	E38200	--	--	--	--	--	--	--	--
17...	1100	E68800	--	--	--	--	--	--	--	--
JAN.										
30...	1000	E47300	--	--	--	--	--	--	--	--
FEB.										
28...	1400	68000	5.2	6900	--	--	--	--	--	--
MAR.										
13...	1500	54300	4.5	7500	--	--	--	--	--	--
28...	1330	24700	5.0	6000	--	--	--	--	--	--
APR.										
11...	1030	E39500	6.2	17000	--	--	--	--	--	--
23...	1140	E37900	--	--	10	3.0	4.5	2.8	42	0
MAY										
06...	1155	E51700	7.4	13000	--	--	--	--	--	--
21...	1145	E24700	6.4	20000	--	--	--	--	--	--
JUNE										
04...	1130	E37600	6.6	10000	--	--	--	--	--	--
14...	1130	E37400	6.0	12000	--	--	--	--	--	--
JULY										
08...	1130	E42800	--	--	--	--	--	--	38	0
22...	1045	E22300	7.4	11000	--	--	--	--	--	--
AUG.										
09...	0930	E19500	6.9	7600	--	--	--	--	--	--
20...	1030	E21100	7.7	5700	--	--	--	--	--	--
SEP.										
03...	1130	E27900	8.6	6000	--	--	--	--	--	--
16...	1300	E17800	7.1	3200	--	--	--	--	--	--
30...	1300	E19300	6.8	4500	--	--	--	--	--	--

DATE	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
DEC.										
07...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
JAN.										
30...	--	--	3.4	.25	--	--	.25	.50	2.2	.58
FEB.										
28...	--	--	--	.33	.15	.26	.41	.74	3.3	.24
MAR.										
13...	--	--	--	.30	.20	.49	.69	.99	4.4	.32
28...	--	--	--	.40	.27	.65	.92	1.3	5.8	.17
APR.										
11...	--	--	--	.47	.38	.00	.32	.79	3.5	.34
23...	34	7.5	4.5	--	--	--	--	--	--	--
MAY										
06...	--	--	--	1.1	.03	.73	.76	1.9	8.2	.56
21...	--	--	--	1.6	.00	1.6	1.6	3.2	14	.66
JUNE										
04...	--	--	--	1.3	.06	1.1	1.2	2.5	11	.68
14...	--	--	--	.77	.03	1.1	1.1	1.9	8.3	.50
JULY										
08...	31	6.0	3.4	--	--	--	--	--	--	--
22...	--	--	--	.49	.02	.82	.84	1.3	5.9	.33
AUG.										
09...	--	--	--	.45	.05	.72	.77	1.2	5.4	.29
20...	--	--	--	.41	.04	.66	.70	1.1	4.9	.25
SEP.										
03...	--	--	--	.42	.03	.72	.75	1.2	5.2	.22
16...	--	--	--	.44	.01	.60	.61	1.1	4.6	.19
30...	--	--	--	.38	.05	.42	.47	.85	3.8	.20

07288800 YAZOO RIVER AT REDWOOD, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)
DEC.										
07...	--	--	--	--	--	--	--	--	85	5.8
17...	--	--	--	--	--	--	--	--	80	6.1
JAN.										
30...	56	.08	--	--	--	--	--	--	73	6.3
FEB.										
28...	57	.08	10500	213	--	--	--	--	66	6.1
MAR.										
13...	59	.08	8650	206	--	--	--	--	74	6.3
28...	65	.09	4340	186	--	--	--	--	73	6.9
APR.										
11...	62	.08	--	72	--	--	--	--	92	6.4
23...	--	--	--	--	37	3	19	.3	109	6.6
MAY										
06...	70	.10	--	276	--	--	--	--	95	6.6
21...	102	.14	--	592	--	--	--	--	100	6.6
JUNE										
04...	72	.10	--	80	--	--	--	--	75	6.4
14...	59	.08	--	320	--	--	--	--	85	6.1
JULY										
08...	--	--	--	--	--	--	--	--	90	6.3
22...	84	.11	--	292	--	--	--	--	120	6.4
AUG.										
09...	83	.11	--	464	--	--	--	--	120	7.0
20...	196	.27	--	202	--	--	--	--	150	6.9
SEP.										
03...	115	.16	--	191	--	--	--	--	140	6.9
16...	94	.13	--	293	--	--	--	--	108	6.5
30...	90	.12	--	264	--	--	--	--	125	6.8

DATE	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
DEC.										
07...	13.0	--	6.8	--	1.5	--	--	--	--	--
17...	6.5	--	9.6	--	--	--	--	--	--	--
JAN.										
30...	12.2	--	7.8	16	--	--	--	--	--	--
FEB.										
28...	11.0	200	9.8	24	--	--	23	30	17500	900
MAR.										
13...	17.5	100	6.9	30	--	--	--	--	--	--
28...	15.0	200	7.8	24	--	--	23	30	--	--
APR.										
11...	17.0	300	7.0	28	--	--	23	30	--	--
23...	20.0	--	6.2	28	2.3	17	--	--	--	--
MAY										
06...	22.5	200	6.3	36	--	--	17	36	--	--
21...	25.0	300	4.7	40	--	--	12	21	--	--
JUNE										
04...	26.0	200	4.6	32	--	--	--	--	--	--
14...	14.0	60	6.3	47	--	--	76	140	--	--
JULY										
08...	27.0	--	4.3	--	--	30	--	--	--	--
22...	29.0	40	5.5	52	--	--	--	--	--	--
AUG.										
09...	27.0	200	5.4	22	--	--	--	--	--	--
20...	28.0	90	5.7	22	--	--	--	--	--	--
SEP.										
03...	25.0	100	5.9	16	--	--	--	--	--	--
16...	26.0	100	6.2	22	--	--	--	--	--	--
30...	21.0	7	7.4	16	--	--	--	--	--	--

07288800 YAZOO RIVER AT REDWOOD, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
DEC.										
07...	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--
JAN.										
30...	--	7.7	5	--	--	--	--	--	--	--
FEB.										
28...	204	7.0	--	--	--	--	--	--	--	--
MAR.										
13...	--	9.1	--	0	--	--	--	--	--	--
28...	--	8.0	--	1	--	--	--	--	--	--
APR.										
11...	--	16	--	2	--	--	--	--	--	--
23...	--	12	--	3	7	1	0	9	.2	50
MAY										
06...	--	18	--	2	--	--	--	--	--	--
21...	--	--	--	2	--	--	--	--	--	--
JUNE										
04...	--	11	--	1	--	--	--	--	--	--
14...	--	12	--	2	--	--	--	--	--	--
JULY										
08...	--	--	--	2	9	4	30	42	.1	110
22...	--	8.8	--	2	--	--	--	--	--	--
AUG.										
09...	--	6.9	--	0	--	--	--	--	--	--
20...	--	6.2	--	1	--	--	--	--	--	--
SEP.										
03...	--	8.4	--	0	--	--	--	--	--	--
16...	--	5.1	--	0	--	--	--	--	--	--
30...	--	7.1	--	0	--	--	--	--	--	--

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.
(National stream-quality accounting network)

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, at gaging station at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 miles (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,144,500 mi² (2,964,300 km²), approximately.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	DISSOLVED IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)
OCT.												
04...	1030	350000	5.3	3900	40	230	200	33	46	16	26	3.1
NOV.												
01...	1100	516000	8.9	8700	40	270	270	0	41	13	16	4.1
DEC.												
04...	1200	1050000	6.7	5800	0	470	470	0	33	10	18	5.8
17...	1300	1260000	--	--	--	--	--	--	--	--	--	--
JAN.												
15...	1400	1280000	6.6	4500	750	200	180	17	30	8.5	11	2.5
30...	1330	1410000	--	--	--	--	--	--	--	--	--	--
MAR.												
12...	1230	965000	7.1	--	--	--	--	--	36	11	14	3.1
APR.												
10...	1400	1000000	6.5	--	--	--	--	--	38	10	13	2.4
MAY												
07...	1400	1910000	6.8	--	--	--	--	--	38	11	18	2.7
JUNE												
05...	1400	1040000	6.6	--	--	--	--	--	36	11	19	3.0
JULY												
09...	1200	900000	6.4	8800	90	290	290	0	34	11	13	3.0
AUG.												
15...	1200	334000	.3	--	--	--	--	--	47	15	20	2.9
SEP.												
06...	1200	480000	4.3	--	--	--	--	--	42	13	24	3.0

DATE	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
OCT.												
04...	161	0	132	59	29	.3	--	--	--	--	--	271
NOV.												
01...	146	0	120	43	18	.3	--	--	--	--	--	216
DEC.												
04...	95	0	78	45	17	.3	.95	.69	1.6	7.3	.51	206
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
15...	90	0	74	33	12	.0	1.3	.39	1.7	7.5	.08	170
30...	--	--	--	--	12	--	1.1	.24	1.3	5.9	.23	154
MAR.												
12...	118	0	97	39	16	.4	--	--	--	--	--	212
APR.												
10...	120	0	98	41	15	.4	1.3	.28	1.6	7.0	.20	206
MAY												
07...	131	--	107	45	19	.3	1.6	.33	1.9	8.5	.30	240
JUNE												
05...	143	0	117	39	17	.2	2.0	1.2	3.2	14	.36	195
JULY												
09...	118	0	97	39	12	.2	1.9	1.4	3.3	15	.26	232
AUG.												
15...	171	0	140	53	17	.2	.82	.74	1.6	6.9	.14	256
SEP.												
06...	139	0	114	57	21	.3	.78	.55	1.3	5.9	.21	250

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
OCT.												
04...	264	.37	256000	180	49	23	.8	479	7.7	<4.5	40	7.4
NOV.												
01...	216	.29	301000	160	36	18	.6	387	7.9	17.0	200	6.8
DEC.												
04...	183	.28	584000	120	46	23	.7	315	7.8	13.0	200	9.5
17...	--	--	--	--	--	--	--	260	6.7	7.5	--	11.5
JAN.												
15...	149	.23	588000	110	36	17	.5	274	7.5	8.0	80	10.0
30...	--	.21	586000	--	--	--	--	243	7.6	9.0	--	10.4
MAR.												
12...	185	.29	552000	140	38	18	.5	334	7.8	12.5	60	8.4
APR.												
10...	145	.28	556000	140	38	17	.5	333	7.9	13.0	70	9.1
MAY												
07...	205	.33	1240000	140	33	21	.7	300	--	<0.0	100	7.4
JUNE												
05...	202	.27	548000	140	18	23	.7	290	7.7	<4.0	200	6.8
JULY												
09...	177	.32	564000	130	33	17	.5	280	7.6	<6.0	100	7.0
AUG.												
15...	240	.35	2310000	180	39	19	.7	400	8.3	<8.0	20	7.8
SEP.												
06...	233	.34	324000	160	44	24	.8	350	7.4	<4.0	60	7.4

DATE	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL PHYTO-PLANK-TON (CELLS PER ML)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)
OCT.												
04...	--	5.1	1800	--	--	--	--	--	11	8	3	2
NOV.												
01...	--	2.9	300	8000	820	170	--	--	11	5	6	25
DEC.												
04...	--	2.4	--	--	--	--	--	--	0	0	10	0
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
15...	--	4.6	--	--	--	--	20	--	0	0	0	6
30...	10	--	--	--	--	--	6.4	0	--	--	--	--
MAR.												
12...	--	3.0	--	--	--	--	--	--	--	--	--	--
APR.												
10...	--	2.4	--	--	--	--	--	--	--	--	--	--
MAY												
07...	--	--	3600	--	--	--	--	--	--	--	--	--
JUNE												
05...	--	4.6	2100	--	--	--	--	--	--	--	--	--
JULY												
09...	--	4.7	2500	--	--	--	8.5	--	5	3	2	5
AUG.												
15...	--	1.4	17000	--	--	--	--	--	--	--	--	--
SEP.												
06...	--	8.9	6800	--	--	--	--	--	--	--	--	--

DATE	SUS-PENDED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	SUS-PENDED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	SUS-PENDED COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)
OCT.												
04...	2	0	0	0	0	2	2	0	16	13	3	14
NOV.												
01...	23	2	0	0	0	4	1	3	26	22	4	37
DEC.												
04...	0	0	9	8	1	88	88	0	140	130	7	9
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
15...	6	0	0	0	2	5	2	3	34	31	3	29
30...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
12...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
10...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
07...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
05...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
09...	1	4	36	35	1	6	5	1	15	12	3	80
AUG.												
15...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
06...	--	--	--	--	--	--	--	--	--	--	--	--

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS-PENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	SUS-PENDED SELE-NIUM (SE) (UG/L)
OCT.							
04...	6	8	--	--	.0	3	0
NOV.							
01...	20	17	--	--	.0	4	0
DEC.							
04...	5	4	.4	.0	.4	2	0
JAN.							
15...	16	13	.1	.1	.0	0	0
APR.							
10...	--	--	--	--	--	--	--
MAY							
07...	--	--	--	--	--	--	--
JUNE							
05...	--	--	--	--	--	--	--
JULY							
09...	51	29	.2	.1	.1	3	0
SEP.							
06...	--	--	--	--	--	--	--

DATE	DIS-SOLVED SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS-PENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
OCT.						
04...	3	9	0	9	129	122000
NOV.						
01...	6	100	80	20	429	598000
DEC.						
04...	2	60	30	30	164	465000
JAN.						
15...	7	100	40	60	--	--
APR.						
10...	--	--	--	--	223	602000
MAY						
07...	--	--	--	--	403	2070000
JUNE						
05...	--	--	--	--	485	1360000
JULY						
09...	3	190	170	20	400	972000
SEP.						
06...	--	--	--	--	275	356000

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	18.0	17.0	13.5	13.0	6.0	5.5	9.0	8.5	8.0	8.0
2	---	---	19.0	17.0	13.0	13.0	5.5	5.0	9.0	8.5	8.5	8.0
3	---	---	18.0	18.0	13.0	12.5	5.0	4.5	9.0	8.5	9.0	8.5
4	25.5	25.0	18.0	17.0	13.0	12.5	4.5	4.0	9.0	9.0	10.0	9.0
5	25.5	25.0	17.0	16.5	12.5	12.0	4.0	4.0	9.0	9.0	10.0	9.5
6	25.5	25.0	17.0	16.0	12.0	11.5	4.0	4.0	9.0	9.0	10.5	10.0
7	25.0	24.5	16.0	15.0	12.0	11.0	4.0	4.0	9.0	8.5	11.0	10.5
8	24.5	24.5	16.0	15.5	11.0	10.5	4.0	4.0	8.5	8.0	11.5	11.0
9	24.5	24.0	16.0	15.0	10.5	10.5	4.0	4.0	8.0	8.0	12.0	11.5
10	24.0	23.5	15.0	14.0	10.5	10.0	4.5	4.0	8.0	7.5	12.5	12.0
11	24.0	23.5	14.5	14.0	9.5	9.0	4.0	4.0	7.5	7.0	13.0	12.5
12	23.5	23.0	14.0	14.0	9.0	9.0	4.0	4.0	7.5	7.0	13.0	13.0
13	23.0	23.0	14.0	13.5	9.5	9.0	4.0	4.0	8.0	7.0	13.0	13.0
14	23.0	22.5	14.0	13.5	9.0	8.5	4.0	4.0	8.0	7.5	13.0	13.0
15	22.5	22.0	14.0	13.5	8.5	8.0	4.5	4.0	8.0	7.5	13.0	13.0
16	22.0	22.0	14.0	13.5	8.0	7.5	4.5	4.0	8.0	8.0	13.5	13.0
17	22.0	21.5	13.5	13.0	8.0	7.5	5.0	4.0	8.0	8.0	13.5	13.0
18	21.5	21.0	13.0	13.0	8.0	7.5	5.0	4.5	8.0	8.0	13.5	13.0
19	21.5	21.0	13.5	13.0	7.5	7.5	5.5	5.0	8.0	8.0	14.0	13.5
20	21.0	21.0	13.5	13.0	7.5	6.5	6.0	5.5	8.0	8.0	14.0	13.0
21	21.0	21.0	13.5	13.5	6.5	6.0	7.0	6.0	8.5	8.0	13.0	12.5
22	21.0	20.5	13.5	13.0	6.0	6.0	7.5	6.5	8.5	8.0	12.5	12.0
23	21.0	21.0	13.5	13.0	6.0	6.0	8.0	7.0	8.5	8.0	12.0	12.0
24	21.0	20.5	14.0	13.5	6.0	6.0	8.0	7.5	8.5	8.0	12.0	11.0
25	20.5	20.5	14.5	14.0	6.0	6.0	8.0	8.0	8.0	8.0	11.0	10.5
26	20.0	20.0	15.0	14.0	6.0	6.0	8.5	8.0	8.0	8.0	10.5	10.0
27	20.0	20.0	16.5	15.0	6.0	6.0	8.5	8.5	8.0	8.0	10.5	10.0
28	20.0	19.5	15.5	14.5	6.0	6.0	9.0	8.5	8.0	8.0	10.5	10.5
29	19.5	19.0	14.5	14.0	6.5	6.0	9.0	8.5	---	---	11.0	10.5
30	19.0	18.5	14.5	14.0	6.5	6.0	9.0	8.5	---	---	11.0	10.5
31	18.0	17.5	---	---	6.5	6.0	9.0	8.5	---	---	12.0	11.0
MONTH	25.5	17.5	19.0	13.0	13.5	6.0	9.0	4.0	9.0	7.0	14.0	8.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	11.5	---	---	---	---	---	---	---	---	22.0	21.0
2	12.5	12.0	---	---	---	---	---	---	---	---	22.5	21.5
3	13.0	12.5	---	---	---	---	---	---	---	---	23.0	21.5
4	13.5	13.0	---	---	---	---	---	---	---	---	23.0	21.0
5	14.0	12.5	---	---	---	---	---	---	---	---	22.0	20.5
6	14.0	11.5	---	---	---	---	---	---	---	---	23.0	20.5
7	14.0	13.0	---	---	---	---	---	---	---	---	23.5	22.0
8	14.0	13.5	---	---	---	---	---	---	---	---	---	---
9	14.5	12.5	---	---	---	---	---	---	---	---	---	---
10	14.5	13.5	---	---	---	---	---	---	---	---	---	---
11	15.5	12.0	---	---	---	---	---	---	---	---	---	---
12	15.0	11.0	---	---	---	---	---	---	---	---	---	---
13	15.0	13.5	---	---	---	---	---	---	---	---	---	---
14	15.5	14.0	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	22.5	21.5	---	---
31	---	---	---	---	---	---	---	---	23.5	20.5	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
YEAR	25.5	4.0										

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MOBILE RIVER BASIN

02431000 - TOMBIGBEE RIVER NEAR FULTON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
JULY 23...	1400	371	7.5	1.4	26	0	21	5.5	3.2	.22
SEP. 25...	1330	178	--	--	--	--	--	--	--	--

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)
JULY 23...	.01	.23	.09	.71	.80	1.0	4.6	.19	.01	.03
SEP. 25...	--	.08	.06	.43	.49	.57	2.5	.10	--	--

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)
JULY 23...	51	.07	51.1	25	3	65	6.0	25.0	90	180
SEP. 25...	52	.07	25.0	--	--	63	6.6	17.5	--	30

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY 23...	6.9	39	1.4	42	--	--	8.6	0	--	--
SEP. 25...	8.0	12	--	--	864000	556	14	--	78	37

02435420 - TOWN CREEK AT EASON BOULEVARD AT TUPELO, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)
DEC.										
05...	1500	392	--	--	--	--	--	--	--	--
JAN.										
10...	0900	2480	--	--	--	--	--	--	--	--
15...	1400	2140	--	--	--	--	--	--	--	--
FEB.										
27...	1400	215	26	1.5	--	--	--	--	--	--
MAR.										
28...	1220	226	--	--	--	--	--	--	--	--
MAY										
06...	0915	163	--	--	--	--	--	--	--	--
JUNE										
25...	0730	50	--	--	--	--	--	--	--	--
25...	0800	50	--	--	--	--	--	--	--	--
25...	0900	50	--	--	--	--	--	--	--	--
25...	1000	50	--	--	--	--	--	--	--	--
25...	1500	50	--	--	--	--	--	--	--	--
25...	0820	50	--	--	--	--	--	--	--	--
26...	0945	40	--	--	--	--	--	--	--	--
26...	1300	46	--	--	--	--	--	--	--	--
26...	1615	44	--	--	--	--	--	--	--	--
26...	1945	43	--	--	--	--	--	--	--	--
26...	2200	44	--	--	--	--	--	--	--	--
26-27	--	--	--	--	.21	.25	.51	.76	.97	4.3
27...	0105	43	--	--	--	--	--	--	--	--
27...	0320	43	--	--	--	--	--	--	--	--
SEP.										
25...	1200	29	--	--	.17	2.3	1.1	3.4	3.5	16

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
DEC.										
05...	--	--	--	--	--	--	170	7.4	12.2	--
JAN.										
10...	--	--	--	--	--	--	--	7.3	10.0	--
15...	--	--	--	--	--	--	115	7.2	12.0	--
FEB.										
27...	--	--	116	.15	65.0	71	180	7.4	7.5	--
MAR.										
28...	--	--	--	--	--	--	240	6.7	15.0	--
MAY										
06...	--	--	--	--	--	--	--	--	--	--
JUNE										
25...	--	--	--	--	--	--	--	--	18.0	--
25...	--	--	--	--	--	--	--	--	18.0	--
25...	--	--	--	--	--	--	--	--	18.0	--
25...	--	--	--	--	--	--	--	--	19.0	--
25...	--	--	--	--	--	--	--	--	24.0	--
26...	--	--	--	--	--	--	420	7.1	18.0	--
26...	--	--	--	--	--	--	350	7.5	20.0	--
26...	--	--	--	--	--	--	300	7.6	25.0	--
26...	--	--	--	--	--	--	300	7.7	26.5	--
26...	--	--	--	--	--	--	300	7.7	24.0	--
26...	--	--	--	--	--	--	300	7.6	22.0	--
26-27	.16	.14	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	300	7.3	20.0	--
27...	--	--	--	--	--	--	280	7.4	20.0	--
SEP.										
25...	1.4	--	298	.41	23.5	--	400	7.1	17.0	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02435020 - TOWN CREEK AT EASON BOULEVARD AT TUPELO, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
DEC.									
05...	9.9	--	2.5	--	--	--	--	--	--
JAN.									
10...	10.5	--	4.0	300000	35000	15000	--	--	--
15...	11.1	--	--	--	--	--	--	--	--
FEB.									
27...	12.2	--	1.7	--	--	--	--	--	--
MAR.									
28...	9.7	--	--	--	--	--	--	--	--
MAY									
06...	--	--	1.3	--	--	--	--	--	--
JUNE									
25...	6.5	--	--	--	--	--	--	--	--
25...	7.0	--	--	--	--	--	--	--	--
25...	8.5	--	--	--	--	--	--	--	--
25...	8.5	--	--	--	--	--	--	--	--
25...	8.7	--	--	--	--	--	--	--	--
26...	8.6	--	--	--	--	--	--	--	--
26...	8.5	--	--	--	--	--	--	--	--
26...	7.9	--	--	--	--	--	--	--	--
26...	7.1	--	--	--	--	--	--	--	--
26...	8.1	--	--	--	--	--	--	--	--
26...	7.2	--	--	--	--	--	--	--	--
26-27	--	--	4.0	--	--	--	--	--	--
27...	6.5	--	--	--	--	--	--	--	--
27...	6.1	--	--	--	--	--	--	--	--
SEP.									
25...	8.1	41	--	--	842000	4100	15	69	5.4

02435900 - CALLOWAY CREEK NEAR PONTOTOC, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)
OCT.										
24...	1600	1.5	4.6	0	0	32	2.0	2.8	3.1	104

DATE	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED ORTHO. PHOS-PHORUS (P) (MG/L)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)
OCT.										
24...	0	85	6.2	3.8	.4	1.0	.00	.00	111	.15

DATE	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	PERCENT SODIUM	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT.										
24...	.45	88	3	6	.1	175	7.8	21.0	7.8	2.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02436500 - TOWN CREEK NEAR NETTLETON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JUNE											
26...	0850	155	--	--	--	--	--	--	--	--	--
26...	1010	154	--	--	--	--	--	--	--	--	--
26...	1425	153	--	--	--	--	--	--	--	--	--
26...	1630	152	--	--	--	--	--	--	--	--	--
26...	2115	150	--	--	--	--	--	--	--	--	--
26...	2250	149	--	--	--	--	--	--	--	--	--
26-27	--	--	--	--	--	--	--	--	--	--	--
27...	0115	148	--	--	--	--	--	--	--	--	--
27...	0310	147	--	--	--	--	--	--	--	--	--
JULY											
24...	0900	794	32	1.6	109	0	89	20	11	.08	.06
SEP.											
25...	1515	89	--	--	--	--	--	--	--	--	--

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)
JUNE										
26...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--
26-27	.00	.00	1.0	1.0	1.0	4.4	.09	.03	--	--
27...	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--
JULY										
24...	.94	.64	1.5	2.1	3.0	13	.69	--	.20	.61
SEP.										
25...	.29	.09	.02	.91	1.2	5.3	.32	--	--	--

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)
JUNE										
26...	--	--	--	--	--	290	7.9	20.0	--	--
26...	--	--	--	--	--	380	8.3	23.0	--	--
26...	--	--	--	--	--	300	8.5	27.5	--	--
26...	--	--	--	--	--	300	8.5	27.5	--	--
26...	--	--	--	--	--	340	8.2	23.5	--	--
26...	--	--	--	--	--	340	8.2	23.0	--	--
26-27	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	325	8.0	22.0	--	--
27...	--	--	--	--	--	325	8.0	22.0	--	--
JULY										
24...	123	.17	264	87	0	200	7.1	24.0	60	200
SEP.										
25...	197	.27	47.7	--	--	290	8.1	18.5	--	9

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JUNE										
26...	8.8	--	--	--	--	--	--	--	--	--
26...	9.6	--	--	--	--	--	--	--	--	--
26...	11.4	--	--	--	--	--	--	--	--	--
26...	12.0	--	--	--	--	--	--	--	--	--
26...	10.4	--	--	--	--	--	--	--	--	--
26...	10.0	--	--	--	--	--	--	--	--	--
26-27	--	--	5.8	--	--	--	--	--	--	--
27...	9.2	--	--	--	--	--	--	--	--	--
27...	9.0	--	--	--	--	--	--	--	--	--
JULY										
24...	7.0	89	3.1	14	--	--	6.0	4	--	--
SEP.										
25...	12.2	20	--	--	230	6470	8.0	--	50	12

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02437000 - TOMBIGBEE RIVER NEAR AMORY, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY										
24...	1000	1910	28	1.4	136	112	14	5.8	.79	.05
SEP.										
25...	1430	424	--	--	--	--	--	--	--	--

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
JULY										
24...	.84	.18	.92	1.1	1.9	8.6	.47	.07	.21	123
SEP.										
25...	.08	.01	1.5	1.5	1.6	7.0	.36	--	--	96

DATE	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
JULY										
24...	.17	634	76	0	170	7.4	24.0	70	200	6.5
SEP.										
25...	.13	110	--	--	100	6.7	18.0	--	100	9.0

DATE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY									
24...	74	3.7	8.7	--	--	17	5	--	--
SEP.									
25...	16	--	--	1290	1040	16	--	42	48

02437500 - TOMBIGBEE RIVER AT ABERDEEN, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
JULY										
24...	1100	1420	24	1.5	92	0	75	9.4	4.7	.34
SEP.										
26...	0930	976	--	--	--	--	--	--	--	--

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)
JULY										
24...	.03	.37	.10	.90	1.0	1.4	6.1	.38	.07	.21
SEP.										
26...	--	.13	.04	.34	.38	.51	2.3	.08	--	--

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
JULY									
24...	96	.13	368	66	0	150	7.3	25.0	60
SEP.									
26...	76	.10	200	--	--	102	6.8	18.0	--

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
JULY									
24...	100	6.9	70	2.7	7.4	8.7	1	--	--
SEP.									
26...	10	8.7	14	--	--	14	--	34	90

02441500 - TOMBIGBEE RIVER AT COLUMBUS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
FEB.										
26...	1800	18600	--	--	--	--	--	--	4.1	--
MAR.										
14...	1800	5520	--	--	--	--	--	--	--	--
28...	0840	8970	--	--	--	--	--	--	--	--
MAY										
08...	1000	3670	--	--	--	--	--	--	6.5	--
JULY										
24...	1330	1640	18	1.4	44	0	36	8.2	11	.36

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)
FEB.										
26...	--	.12	--	--	.37	.49	2.2	.15	--	--
MAR.										
14...	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--
MAY										
08...	--	.32	--	--	.32	.64	2.8	.13	--	--
JULY										
24...	.02	.38	.04	.39	.43	.81	3.6	.15	.02	.06

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)
FEB.										
26...	54	.07	2710	--	--	79	6.0	7.2	--	--
MAR.										
14...	--	--	--	--	--	125	6.9	17.2	--	--
28...	--	--	--	--	--	100	6.1	13.0	--	--
MAY										
08...	54	.07	535	--	--	112	7.2	20.0	--	--
JULY										
24...	95	.13	421	51	15	130	7.0	27.5	7	20

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
FEB.									
26...	11.2	16	.0	--	15000	173	190	4.0	6
MAR.									
14...	8.6	--	--	--	--	--	--	--	--
28...	9.3	--	--	--	--	--	--	--	--
MAY									
08...	8.0	62	--	--	--	--	--	9.6	--
JULY									
24...	7.9	32	2.2	7.0	--	--	--	8.0	0

02443610 - TOMBIGBEE RIVER BL COLUMBUS, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
DEC.								
06...	0830	24200	--	--	--	--	--	--
13...	1515	4100	--	--	--	--	--	--
19...	1800	2910	--	--	--	--	--	--
JAN.								
10...	1200	37600	--	--	--	--	--	--
FEB.								
27...	1100	22000	3.8	.11	--	--	.56	.67
MAR.								
15...	0830	5880	--	--	--	--	--	--
28...	0940	10800	--	--	--	--	--	--
MAY								
09...	0805	4560	4.3	.02	--	--	.39	.41
SEP.								
26...	1500	1470	--	.19	.04	.40	.44	.63

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
DEC.									
06...	--	--	--	--	--	105	6.5	12.0	--
13...	--	--	--	--	--	100	7.2	10.0	--
19...	--	--	--	--	--	110	6.4	9.0	--
JAN.									
10...	--	--	--	--	--	80	6.4	10.0	--
FEB.									
27...	3.0	.14	54	.07	3210	74	6.2	7.0	--
MAR.									
15...	--	--	--	--	--	110	6.9	16.0	--
28...	--	--	--	--	--	90	6.4	13.0	--
MAY									
09...	1.8	.14	104	.14	1280	185	6.7	20.5	--
SEP.									
26...	2.8	.12	79	.11	314	100	6.4	20.0	10

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
DEC.								
06...	8.0	--	2.0	--	--	--	--	--
13...	9.8	--	--	--	--	--	--	--
19...	10.3	--	--	--	--	--	--	--
JAN.								
10...	10.2	--	1.8	70000	820	3000	--	--
FEB.								
27...	11.4	20	2.3	4000	400	490	5.9	0
MAR.								
15...	9.0	--	--	--	--	--	--	--
28...	9.4	--	--	--	--	--	--	--
MAY								
09...	6.3	18	--	--	--	--	9.1	0
SEP.								
26...	8.9	10	--	--	--	--	5.1	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02448000 - NOXUBEE RIVER AT MACON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
DEC.										
06...	1000	1860	--	--	--	--	--	--	--	--
13...	1315	293	--	--	--	--	--	--	--	--
19...	1600	195	--	--	--	--	--	--	--	--
JAN.										
10...	1345	11100	--	--	--	--	--	--	--	--
16...	1100	11200	--	--	--	--	--	--	--	--
29...	1330	16400	2.0	.01	--	--	.40	.41	1.8	.11
FEB.										
27...	0800	2800	3.2	.03	--	--	.50	.53	2.3	.15
MAR.										
14...	1530	691	--	--	--	--	--	--	--	--
27...	1630	1040	--	--	--	--	--	--	--	--
MAY										
08...	1700	320	3.1	.14	--	--	.24	.38	1.7	.08
SEP.										
10...	1300	351	--	.21	.04	.56	.60	.81	3.6	.16

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)
DEC.									
06...	--	--	--	110	6.3	12.2	--	8.3	--
13...	--	--	--	100	6.9	10.0	--	11.5	--
19...	--	--	--	93	7.2	7.0	--	11.4	--
JAN.									
10...	--	--	--	100	6.8	14.0	--	9.1	--
16...	--	--	--	70	6.8	11.5	--	8.2	--
29...	42	.06	1860	59	6.7	15.0	--	8.9	16
FEB.									
27...	51	.07	386	63	5.9	6.2	--	11.2	24
MAR.									
14...	--	--	--	110	6.8	17.8	--	7.8	--
27...	--	--	--	100	5.9	14.0	--	8.9	--
MAY									
08...	94	.13	81.2	100	7.2	20.5	--	7.7	18
SEP.									
10...	95	.13	90.0	132	7.0	22.2	70	6.2	12

DATE	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.									
06...	2.4	30000	2100	1000	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
JAN.									
10...	2.9	60000	3400	2250	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	10	--	10	--	--
FEB.									
27...	1.8	22500	320	148	7.8	7.0	4	--	--
MAR.									
14...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
MAY									
08...	--	--	--	--	7.7	--	0	--	--
SEP.									
10...	--	--	196	340	8.0	--	--	102	97

02446500 - NOXUBEE RIVER NEAR GEIGER, ALA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.												
23...	1530	16	--	--	52	0	43	6.2	--	--	--	--
FEB.												
26...	1500	4150	13	1.3	--	--	--	3.0	.08	--	--	.53
MAR.												
27...	1600	1900	--	--	--	--	--	--	--	--	--	--
MAY												
08...	1545	440	8.2	1.7	--	--	--	--	--	--	--	--
SEP.												
10...	1500	1400	--	--	--	--	--	--	.29	.04	.73	.77

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT.											
23...	--	--	--	--	--	--	50	8	143	7.5	17.0
FEB.											
26...	.61	2.7	.30	72	.10	807	38	--	94	6.3	9.0
MAR.											
27...	--	--	--	--	--	--	--	--	140	5.9	14.0
MAY											
08...	--	--	--	70	.10	83.2	27	--	140	6.9	21.5
SEP.											
10...	1.1	4.7	.24	102	.14	386	--	--	180	7.1	22.8

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
OCT.											
23...	--	--	--	--	2.6	--	--	--	--	--	--
FEB.											
26...	--	10.1	--	.5	--	--	--	6.1	6	--	--
MAR.											
27...	--	8.8	--	--	--	--	--	--	--	--	--
MAY											
08...	--	7.2	--	--	--	--	--	--	--	--	--
SEP.											
10...	60	5.6	20	--	--	900	240	12	--	159	601

PASCAGOULA RIVER BASIN

02472080 - LEAF RIVER NEAR COLLINS, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
DEC. 05...	1230	1110	--	--	--	--	--	--	--
MAR. 28...	1045	3570	<900	33	.8	.11	.97	1.1	4.8

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
DEC. 05...	--	--	--	--	85	6.5	14.0	9.9	2.3
MAR. 28...	.05	62	.08	548	62	6.2	14.5	9.3	--

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
DEC. 05...	--	--	--	--	--	--	--	--	--
MAR. 28...	12	9	1	1	4	1	.0	4	40

02472170 - LEAF RIVER NEAR ELLISVILLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TOTAL IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
DEC. 06...	0830	--	--	--	--	--	--	--
MAR. 28...	1245	2200	50	.9	.12	.71	.83	3.7

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
DEC. 06...	--	--	--	77	6.4	12.0	9.8	2.5	--
MAR. 28...	.05	63	.09	61	6.0	14.8	9.5	--	12

DATE	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
DEC. 06...	--	--	--	--	--	--	--	--
MAR. 28...	8	1	1	6	0	.1	4	50

02472500 - HONIE CREEK NEAR HATTIESBURG, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
OCT.										
16...	0645	195	--	--	--	--	--	--	--	--
16...	1020	195	--	--	--	--	--	--	--	--
16...	1315	195	--	--	--	--	--	--	--	--
16...	1545	185	--	--	--	--	--	--	--	--
17...	0730	250	--	--	--	.07	.17	.24	--	--
17...	1215	260	--	--	--	.07	.18	.25	--	--
17...	1715	270	--	--	--	.11	.17	.28	--	--
17...	2120	270	--	--	--	.08	.02	.10	--	--
18...	0015	270	--	--	--	.06	.18	.24	--	--
18...	0330	278	--	--	--	.10	.51	.61	--	--
18...	0730	275	--	--	--	.15	.16	.31	--	--
18...	1015	278	--	--	--	--	--	--	--	--
18...	1215	278	--	--	--	--	--	--	--	--
18...	1500	278	--	--	--	--	--	--	--	--
DEC.										
06...	0930	375	--	--	--	--	--	--	--	--
FEB.										
26...	1200	392	.4	.8	--	--	--	--	--	--
SEP.										
10...	1000	2016	--	--	.04	.02	.71	.73	.77	3.4

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
OCT.									
16...	--	--	--	--	--	28	6.7	22.0	--
16...	--	--	--	--	--	28	6.4	22.0	--
16...	--	--	--	--	--	30	7.3	22.0	--
16...	--	--	--	--	--	28	7.2	22.0	--
17...	.04	--	--	--	--	28	6.6	20.0	--
17...	.10	--	--	--	--	29	6.5	20.0	--
17...	.06	--	--	--	--	30	6.7	20.0	--
17...	.04	--	--	--	--	27	6.5	19.0	--
18...	.04	--	--	--	--	24	6.6	19.0	--
18...	.09	--	--	--	--	27	6.4	18.0	--
18...	.03	--	--	--	--	28	6.6	18.0	--
18...	--	--	--	--	--	32	6.6	18.0	--
18...	--	--	--	--	--	31	6.6	18.0	--
18...	--	--	--	--	--	30	6.3	21.0	--
DEC.									
06...	--	--	--	--	--	32	6.4	13.0	--
FEB.									
26...	--	29	.04	30.7	4	29	5.4	9.5	--
SEP.									
10...	.10	44	.06	240	--	32	5.7	22.0	30

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
OCT.									
16...	8.1	--	--	--	--	--	--	--	--
16...	8.2	--	--	--	--	--	--	--	--
16...	8.3	--	--	--	--	--	--	--	--
16...	8.7	--	--	--	--	--	--	--	--
17...	8.7	--	--	<3000	82000	880	--	--	--
17...	9.2	--	1.3	6000	280	1100	--	--	--
17...	9.0	--	--	3800	360	750	--	--	--
17...	8.5	--	.5	3200	860	980	--	--	--
18...	8.4	--	.9	11000	600	780	--	--	--
18...	8.3	--	.8	4400	340	450	--	--	--
18...	9.3	--	--	12000	740	380	--	--	--
18...	9.7	--	--	--	--	--	--	--	--
18...	9.6	--	--	--	--	--	--	--	--
18...	9.4	--	--	--	--	--	--	--	--
DEC.									
06...	9.3	--	1.4	--	--	--	--	--	--
FEB.									
26...	10.3	--	.5	--	--	--	--	--	--
SEP.									
10...	7.1	28	--	--	430	670	9.8	66	359

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02472850 - OKATOMA C. AT SANFORD, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
DEC. 06...	1000	730	40	6.3	13.0	9.6	1.9

02473490 - TALLAHALA CREEK NEAR SANDERSVILLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
FEB. 27...	1645	250	4.3	1.3	22	.07	--	--	.24	.31
MAR. 28...	0945	970	--	--	--	--	--	--	--	--
SEP. 10...	1200	940	--	--	--	.02	.02	.66	.68	.70

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
FEB. 27...	1.4	.01	87	.12	58.7	16	133	6.4	9.5	--
MAR. 28...	--	--	--	--	--	--	85	6.0	14.3	--
SEP. 10...	3.1	.07	84	.11	213	--	80	5.8	22.0	40

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
FEB. 27...	10.6	--	1.1	17500	80	64	4.0	5	--	--
MAR. 28...	8.6	--	--	--	--	--	--	--	--	--
SEP. 10...	6.6	32	--	--	523	1610	11	--	87	221

02474500 - TALLAHALA CREEK NEAR RUNNELSTOWN, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
DEC.									
06...	1130	1070	--	--	--	--	--	--	--
12...	1400	306	--	--	--	--	--	--	--
18...	1430	257	--	--	--	--	--	--	--
JAN.									
17...	1530	2680	--	--	--	--	--	--	--
30...	0830	4920	9.2	.02	--	--	.52	.54	2.4
FEB.									
27...	0930	1240	8.5	.01	--	--	.63	.64	2.8
MAR.									
27...	1910	2960	--	--	--	--	--	--	--
SEP.									
09...	1600	1488	--	.09	.11	.72	.83	.92	4.1

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
DEC.									
06...	--	--	--	--	90	6.6	13.0	--	7.5
12...	--	--	--	--	120	6.9	10.0	--	9.2
18...	--	--	--	--	130	6.5	9.0	--	9.5
JAN.									
17...	--	--	--	--	100	6.4	14.5	--	9.3
30...	.04	47	.06	624	75	5.6	15.0	--	7.1
FEB.									
27...	.12	78	.11	261	82	5.7	9.0	--	7.1
MAR.									
27...	--	--	--	--	46	5.6	14.0	--	9.6
SEP.									
09...	.17	33	.04	133	44	5.7	21.8	50	6.6

DATE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.									
06...	--	5.4	20000	270	275	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
JAN.									
17...	--	--	--	--	--	--	--	--	--
30...	28	--	--	--	--	--	10	--	--
FEB.									
27...	99	9.2	4745	860	480	31	21	--	--
MAR.									
27...	--	--	--	--	--	--	--	--	--
SEP.									
09...	28	--	--	81045	1352	9.2	--	195	783

02475000 - LEAF RIVER NEAR MCLAIN, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
DEC.										
06...	1415	5530	--	--	--	--	--	--	--	--
JAN.										
30...	1100	27600	3.2	.7	6.7	.04	--	--	.43	.47
FEB.										
27...	1130	7650	1.7	1.0	--	--	--	--	--	--
MAR.										
27...	1715	14100	--	--	--	--	--	--	--	--
SEP.										
10...	1700	20580	--	--	--	.08	.06	1.1	1.2	1.3

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
DEC.										
06...	--	--	--	--	--	--	67	6.8	13.0	--
JAN.										
30...	2.1	.01	46	.06	3430	11	46	5.5	17.0	--
FEB.										
27...	--	--	52	.07	1080	8	65	4.8	10.0	--
MAR.										
27...	--	--	--	--	--	--	31	5.2	14.3	--
SEP.										
10...	5.7	.12	36	.05	2800	--	36	5.4	23.0	20

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.									
06...	8.7	--	2.6	--	--	--	--	--	--
JAN.									
30...	8.4	--	--	--	--	--	10	--	--
FEB.									
27...	9.7	--	1.5	--	--	--	--	--	--
MAR.									
27...	9.6	--	--	--	--	--	--	--	--
SEP.									
10...	6.4	28	--	710	357	11	--	138	7670

02476000 - OKATIBBEE CREEK NEAR MERIDIAN, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
DEC.										
06...	1330	120	--	--	--	--	--	--	--	--
JAN.										
10...	1630	241	--	--	--	--	--	--	--	--
29...	1000	1400	2.4	1.2	3.3	.07	--	--	.19	.26
FEB.										
28...	1230	1530	.4	1.0	--	--	--	--	--	--
MAR.										
27...	0940	278	--	--	--	--	--	--	--	--
27...	1100	--	--	--	--	--	--	--	--	--
SEP.										
11...	1300	146	--	--	--	.13	.04	.46	.50	.63

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
DEC.										
06...	--	--	--	--	--	--	65	5.8	12.0	--
JAN.										
10...	--	--	--	--	--	--	50	5.5	15.0	--
29...	1.2	.10	47	.06	178	11	43	6.4	14.2	--
FEB.										
28...	--	--	43	.05	170	5	36	5.8	10.0	--
MAR.										
27...	--	--	--	--	--	--	43	5.7	13.5	--
27...	--	--	--	--	--	--	--	5.9	--	--
SEP.										
11...	2.8	.06	29	.04	11.4	--	46	6.2	25.0	20

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.										
06...	8.8	--	1.9	--	--	--	--	--	--	--
JAN.										
10...	9.3	--	2.0	30000	600	25	--	--	--	--
29...	8.8	--	--	--	--	--	12	4	--	--
FEB.										
28...	11.2	--	1.4	--	--	--	--	--	--	--
MAR.										
27...	9.4	--	--	--	--	--	--	--	--	--
27...	10.3	--	--	--	--	--	--	--	--	--
SEP.										
11...	7.2	14	--	--	190	313	6.6	--	42	17

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02476500 - SOWASHEE CR AT MERIDIAN, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
DEC.												
06...	1130	21	--	--	--	--	--	--	--	--	--	--
JAN.												
10...	1530	100	--	--	--	--	--	--	--	--	--	--
29...	1130	203	--	--	--	--	--	--	--	--	--	--
MAR.												
27...	1100	179	5700	220	2.3	.13	--	--	.84	.97	4.3	.05
SEP.												
11...	1100	51	--	--	--	.15	.06	.39	.45	.60	2.7	.09

DATE	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
DEC.												
06...	--	--	--	80	6.0	10.0	--	10.6	--	2.1	--	--
JAN.												
10...	--	--	--	58	5.9	16.0	--	10.0	--	1.8	25000	400
29...	--	--	--	53	6.5	14.0	--	9.6	--	--	--	--
MAR.												
27...	53	.07	25.6	78	--	13.0	--	--	--	--	--	--
SEP.												
11...	60	.08	8.36	75	6.1	24.0	40	7.2	16	--	--	688

DATE	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
10...	220	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
27...	--	9.6	5	1	1	4	1	.1	3	50	--	--
SEP.												
11...	1140	5.7	--	--	--	--	--	--	--	--	76	11

02476600 - OKATIBBEE CREEK AT ARUNDEL, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
DEC.									
06...	1230	--	--	--	--	--	--	--	--
13...	1100	--	--	--	--	--	--	--	--
19...	1430	--	--	--	--	--	--	--	--
JAN.									
10...	1745	--	--	--	--	--	--	--	--
18...	1330	--	--	--	--	--	--	--	--
29...	0900	--	4.1	.10	--	--	.38	.48	2.1
FEB.									
28...	1030	--	3.7	.13	--	--	.38	.51	2.3
MAR.									
15...	1100	--	--	--	--	--	--	--	--
27...	1020	--	--	--	--	--	--	--	--
SEP.									
11...	1400	239	--	.13	.38	.53	.91	1.0	4.6

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
DEC.									
06...	--	--	--	--	110	6.1	12.0	--	8.3
13...	--	--	--	--	160	6.6	13.0	--	6.5
19...	--	--	--	--	150	6.5	10.0	--	8.0
JAN.									
10...	--	--	--	--	73	5.8	15.0	--	8.5
18...	--	--	--	--	50	6.3	13.0	--	9.9
29...	.09	46	.06	--	52	6.4	14.5	--	9.0
FEB.									
28...	.06	39	.05	--	46	5.6	10.0	--	10.6
MAR.									
15...	--	--	--	--	66	6.2	15.5	--	8.2
27...	--	--	--	--	77	5.8	13.0	--	8.9
SEP.									
11...	.22	66	.09	42.6	85	6.2	25.1	30	6.2

DATE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.									
06...	--	6.8	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
JAN.									
10...	--	5.0	50000	3000	3000	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
29...	65	--	--	--	--	9.5	13	--	--
FEB.									
28...	24	1.9	15000	20000	124	7.0	6	--	--
MAR.									
15...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
SEP.									
11...	16	--	--	1510	307	6.0	--	57	37

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02477500 - CHICKASAWHAY RIVER NEAR WAYNESBORO, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
DEC.										
05...	1445	1540	--	--	--	--	--	--	--	--
FEB.										
27...	1445	3800	7.0	1.3	--	--	--	--	--	--
MAR.										
27...	1500	2940	--	--	--	--	--	--	--	--
SEP.										
10...	1400	7940	--	--	.04	.07	.55	.62	.71	3.1

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
DEC.									
05...	--	--	--	--	--	130	6.1	15.0	--
FEB.									
27...	--	69	.09	708	23	97	6.3	10.0	--
MAR.									
27...	--	--	--	--	--	138	6.7	14.5	--
SEP.									
10...	.07	65	.04	1390	--	80	6.1	24.0	40

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.									
05...	8.7	--	2.4	>1000	440	400	--	--	--
FEB.									
27...	10.3	--	1.2	--	--	--	--	--	--
MAR.									
27...	9.6	--	--	--	--	--	--	--	--
SEP.									
10...	6.8	28	--	--	<40	987	8.4	145	3110

02477950 - BUCKATUNNA CREEK NEAR DENHAM, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
DEC.									
05...	1530	850	--	--	--	--	--	--	--
MAR.									
27...	1350	2340	4100	50	.9	.07	.93	1.0	4.4

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
DEC.									
05...	--	--	--	--	125	6.3	14.5	9.3	1.9
MAR.									
27...	.01	65	.09	411	91	6.1	13.5	9.6	--

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	DISSOLVED ARSENIC (AS) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
DEC.									
05...	--	--	--	--	--	--	--	--	--
MAR.									
27...	14	10	1	1	3	3	.0	3	40

02478500 - CHICKASAWHAY RIVER AT LEAKESVILLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
DEC.										
06...	1740	3320	--	--	--	--	--	--	--	--
JAN.										
30...	1315	16700	6.0	.9	9.2	.16	--	--	.37	.53
FEB.										
27...	1300	9690	2.6	1.1	--	--	--	--	--	--
MAR.										
27...	1630	8220	--	--	--	--	--	--	--	--
SEP.										
10...	1600	11310	--	--	--	.06	.03	.59	.62	.68

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
DEC.										
06...	--	--	--	--	--	--	130	6.8	13.5	--
JAN.										
30...	2.3	.33	63	.09	2840	19	67	6.1	16.0	--
FEB.										
27...	--	--	57	.08	1490	11	75	6.0	10.0	--
MAR.										
27...	--	--	--	--	--	--	57	5.8	14.5	--
SEP.										
10...	3.0	.09	85	.12	2600	--	75	6.0	23.0	70

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.									
06...	9.7	--	1.6	--	--	--	--	--	--
JAN.									
30...	8.5	--	--	--	--	--	8	--	--
FEB.									
27...	9.8	--	1.0	--	--	--	--	--	--
MAR.									
27...	9.7	--	--	--	--	--	--	--	--
SEP.									
10...	6.6	28	--	233	700	12	--	204	6230

02479130 - BLACK CREEK NEAR BROOKLYN, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
DEC. 06...	1400	596	--	--	--	--	--	--	--	--
JAN. 29...	1400	2440	1.4	.5	3.7	.03	--	--	.47	.50
FEB. 26...	1415	685	.4	.6	--	--	--	--	--	--
SEP. 11...	1000	2750	--	--	--	.03	.03	.44	.47	.50

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
DEC. 06...	--	--	--	--	--	--	34	6.2	13.0	--
JAN. 29...	2.2	.03	60	.08	395	6	22	5.7	17.0	--
FEB. 26...	--	--	32	.04	59.2	3	30	5.2	10.0	--
SEP. 11...	2.2	.04	30	.04	223	--	26	5.4	22.5	20

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC. 06...	9.7	--	1.3	B1000	5100	125	--	--	--	--
JAN. 29...	9.5	--	--	--	--	--	--	4	--	--
FEB. 26...	10.5	--	.7	--	--	--	--	--	--	--
SEP. 11...	6.8	36	--	--	870	167	12	--	89	661

02482550 - PEARL RIVER NEAR CARTHAGE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
MAR.									
27...	1340	3890	--	--	--	--	--	--	--
MAY									
01...	1430	1950	6.2	1.5	--	--	--	--	--
SEP.									
10...	1000	897	--	--	.13	.05	.49	.54	.67

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAR.									
27...	--	--	--	--	--	--	44	5.3	14.0
MAY									
01...	--	--	22	.03	116	22	43	6.5	21.0
SEP.									
10...	3.0	.12	53	.07	128	--	52	6.1	21.9

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
MAR.									
27...	--	8.9	--	--	--	--	--	--	--
MAY									
01...	--	6.1	--	.7	--	--	--	--	--
SEP.									
10...	40	7.1	<0	--	466	8153	10	65	157

02485001 - PEARL RIVER AT BARNETT RE NEAR JACKSON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
MAY									
01...	1200	1600	4.8	1.0	--	--	--	--	--
SEP.									
12...	1100	1880	--	--	.04	.03	.49	.52	.56

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
MAY									
01...	--	--	30	.04	130	16	42	6.6	21.0
SEP.									
12...	2.5	.05	36	.05	183	--	46	6.7	24.2

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
MAY									
01...	--	7.9	--	.6	--	--	--	--	--
SEP.									
12...	5	9.1	14	--	<53	8113	10	12	61

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

02486500 - PEARL RIVER NR BYRAM,MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
DEC.									
07...	0830	9800	--	--	--	--	--	--	--
12...	0830	5540	--	--	--	--	--	--	--
18...	0915	2400	--	--	--	--	--	--	--
JAN.									
30...	1530	39000	3.3	.04	--	--	.19	.23	1.0
MAR.									
26...	1000	5020	--	--	--	--	--	--	--
SEP.									
12...	0900	2150	--	.10	.30	.80	1.1	1.2	5.3

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
DEC.									
07...	--	--	--	--	95	5.8	13.0	--	10.6
12...	--	--	--	--	73	6.8	9.0	--	10.4
18...	--	--	--	--	75	6.5	7.0	--	11.8
JAN.									
30...	.10	45	.06	4740	52	6.3	14.8	--	6.6
MAR.									
26...	--	--	--	--	47	7.1	14.0	--	7.8
SEP.									
12...	.28	66	.09	383	63	6.5	24.7	40	5.6

DATE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.								
07...	--	1.3	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--
JAN.								
30...	18	--	--	--	9.5	0	--	--
MAR.								
26...	--	--	--	--	--	--	--	--
SEP.								
12...	20	--	17800	1530	6.2	--	66	383

02487000 - PEARL RIVER NEAR GEORGETOWN, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
FEB. 27...	1100	27000	2.1	.9	2.8	.11	--	--	.41	.52
SEP. 09...	1400	4900	--	--	--	.13	.17	.59	.76	.89

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA+MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
FEB. 27...	2.3	.12	44	.06	3210	9	45	6.4	10.5	--
SEP. 09...	3.9	.23	45	.06	595	--	60	6.3	24.0	50

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
FEB. 27...	9.7	--	1.2	--	--	8.1	5	--	--
SEP. 09...	5.7	20	--	4100	323	5.5	--	47	622

02489000 - PEARL RIVER NEAR COLUMBIA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)
DEC.									
07...	0900	12800	--	--	--	--	--	--	--
12...	1230	8920	--	--	--	--	--	--	--
18...	1300	4030	--	--	--	--	--	--	--
JAN.									
17...	1300	30400	--	--	--	--	--	--	--
FEB.									
27...	1530	47900	3.1	.01	--	--	.46	.47	2.1
MAR.									
15...	1000	10500	--	--	--	--	--	--	--
26...	--	7420	--	--	--	--	--	--	--
SEP.									
12...	1000	6564	--	.00	.00	.59	.59	.59	2.6

DATE	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
DEC.									
07...	--	--	--	--	70	6.8	13.0	--	9.4
12...	--	--	--	--	87	6.4	11.0	--	10.8
18...	--	--	--	--	95	6.4	10.0	--	9.3
JAN.									
17...	--	--	--	--	50	6.2	12.5	--	9.6
FEB.									
27...	.13	45	.06	5820	48	6.1	12.0	--	8.4
MAR.									
15...	--	--	--	--	60	6.3	17.0	--	7.9
26...	--	--	--	--	40	6.8	14.0	--	6.5
SEP.									
12...	.16	44	.06	780	70	5.8	25.0	40	6.2

DATE	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.									
07...	--	1.2	9500	170	395	--	--	--	--
12...	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--
JAN.									
17...	--	--	--	--	--	--	--	--	--
FEB.									
27...	30	1.1	--	--	--	6.8	9	--	--
MAR.									
15...	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--
SEP.									
12...	24	--	--	240	8103	11	--	88	1560

02490900 - BOGUE CHITTO NEAR LEHR, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
DEC.										
12...	1030	370	--	--	--	--	--	--	--	--
18...	1130	230	--	--	--	--	--	--	--	--
JAN.										
17...	1200	860	--	--	--	--	--	--	--	--
FEB.										
27...	1400	620	1.1	.8	3.7	--	--	--	--	--
MAR.										
15...	1215	550	--	--	--	--	--	--	--	--
26...	1230	--	--	--	--	--	--	--	--	--
SEP.										
11...	1100	270	--	--	--	.18	.01	.22	.23	.41

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
DEC.									
12...	--	--	--	--	--	--	54	6.9	11.0
18...	--	--	--	--	--	--	52	6.3	9.5
JAN.									
17...	--	--	--	--	--	--	52	6.0	16.4
FEB.									
27...	--	--	38	.05	63.6	6	52	5.6	12.0
MAR.									
15...	--	--	--	--	--	--	54	6.2	17.5
26...	--	--	--	--	--	--	46	6.5	14.0
SEP.									
11...	1.8	.06	42	.06	30.6	--	--	--	23.5

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC.									
12...	--	11.2	--	--	--	--	--	--	--
18...	--	11.4	--	--	--	--	--	--	--
JAN.									
17...	--	9.6	--	--	--	--	--	--	--
FEB.									
27...	--	9.1	--	.8	--	--	--	--	--
MAR.									
15...	--	9.0	--	--	--	--	--	--	--
26...	--	9.3	--	--	--	--	--	--	--
SEP.									
11...	6	7.8	12	--	45	8123	8.8	22	16

02492502 - HOBOLOCHITTO C. NR. PICAYUNE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	TOTAL IRON (FE) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)
MAR. 27...	1300	1000	67	1.5	.6	2.7	.13	--	--	.55	.68	3.0
SEP. 11...	1300	--	--	--	--	--	.04	.01	.57	.58	.62	2.7

DATE	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
MAR. 27...	.05	12	.02	6	28	6.6	15.0	--	8.5	--	3.3	--
SEP. 11...	.05	49	.07	--	38	5.1	24.0	20	5.0	36	--	889

DATE	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CAD-MIUM (CD) (UG/L)	DIS-SOLVED CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	DIS-SOLVED SELE-NIUM (SE) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	SUS-PENDED SEDI-MENT (MG/L)
MAR. 27...	--	--	3	1	0	2	4	7	.0	4	20	--
SEP. 11...	343	11	--	--	--	--	--	--	--	--	--	29

HATCHIE RIVER BASIN

07029250 - HATCHIE R NR RIPLEY, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT. 30...	0935	16	9.6	70	0	2.2	1.0	1.1	1.1	12

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT. 30...	0	10	1.6	1.4	.3	.05	.00	.00	25	.03

DATE	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 30...	1.11	10	0	16	.2	26	6.4	9.0	11.5	7.6

07029300 - TUSCUMBIA RIVER CANAL NEAR CORINTH, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
FEB. 27...	1700	--	8.0	1.2	6.8	.20	--	--	.48	.68
MAR. 26...	0930	--	--	--	--	--	--	--	--	--
MAY 06...	1530	--	--	--	--	--	--	--	--	--
SEP. 25...	1000	53	--	--	--	.57	.12	.47	.59	1.2

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
FEB. 27...	3.0	.13	60	.08	--	25	44	7.2	6.5	--
MAR. 26...	--	--	--	--	--	--	105	5.6	10.0	--
MAY 06...	--	--	--	--	--	--	125	6.3	16.5	--
SEP. 25...	5.1	.34	93	.13	13.3	--	120	6.6	15.0	60

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
FEB. 27...	11.9	--	1.7	--	--	2.9	0	--	--
MAR. 26...	10.1	--	--	--	--	--	--	--	--
MAY 06...	7.7	--	.5	--	--	--	--	--	--
SEP. 25...	8.6	20	--	600	1050	10	--	80	11

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WOLF RIVER BASIN

07030360 - WOLF RIVER NEAR GRODY, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT. 26...	0830	32	6.1	15.0	5.2

07030370 - WOLF R. AT SPRINGHILL, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT. 26...	0910	33	6.3	15.0	8.8

07030390 - GRAYS CREEK NEAR MICHIGAN CITY, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT. 26...	1215	14	13	0	0	1.8	.9	1.9	1.0	13

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT. 26...	0	11	.8	1.6	.3	.43	.00	.00	38	.04

DATE	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 26...	1.21	8	0	30	.3	30	6.3	17.0	9.6	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

YAZOO RIVER BASIN

07266000 - CANE CREEK NEAR NEW ALBANY, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
NOV. 30...	1330	68	7.2	70	0	14	1.8	1.7	2.5	44

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
NOV. 30...	0	36	5.2	3.5	.0	.08	.01	.03	58	.08

DATE	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
NOV. 30...	9.40	42	6	8	.1	110	7.0	17.0	11.7	7.0

07269000 - NORTH TIPPAH CREEK NEAR RIPLEY, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT. 30...	1440	2.1	13	180	0	4.3	2.4	2.4	1.6	17

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT. 30...	0	14	7.7	3.0	.4	.02	.01	.03	43	.06

DATE	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 30...	.25	21	7	19	.2	56	7.1	14.5	11.2	2.2

07269950 - CHEWALLA CREEK NEAR HOLLY SPRINGS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT. 25...	1200	28	6.1	28.0	9.5

07270500 - BAGLEY CREEK NEAR ABBEVILLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT. 24...	1450	1.0	11	70	9	2.2	1.6	2.7	1.6	14

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
OCT. 24...	0	11	2.4	2.4	.3	.16	.01	.03	32	.04

DATE	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 24...	.16	12	1	29	.3	34	6.6	25.5	8.3	5.6

07270520 - BIG SPRING CREEK NEAR HOLLY SPRINGS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 25...	0900	5.9	13	0	0	2.6	1.3	2.3	1.1	17	0

DATE	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)
OCT. 25...	14	.7	1.5	.2	.28	.00	.00	32	.04	.51

DATE	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT. 25...	12	0	27	.3	38	6.1	12.5	5	8.5	22

07270800 - HURRICANE CREEK NEAR OXFORD, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
NOV. 30...	0850	18	11	90	0	2.4	1.2	2.3	1.8	15

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
NOV. 30...	0	12	1.3	2.8	.0	.19	.03	.09	31	.04

DATE	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
NOV. 30...	1.51	11	0	27	.3	30	6.9	8.0	11.7	3.0

07271000 - CLEAR CREEK NEAR OXFORD, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
NOV. 30...	0950	20	12	10	0	2.0	.9	3.2	2.6	12

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L)	DISSOLVED ORTHO. PHOSPHORUS (P) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)
NOV. 30...	0	10	2.4	2.8	.0	.28	.03	.09	33	.04

DATE	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
NOV. 30...	1.78	9	0	37	.5	41	6.4	13.0	11.8	7.6

07274000 - YOCONA RIVER NEAR OXFORD, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
FEB.										
28...	0800	274	2.5	1.5	4.2	.17	--	--	.29	.46
MAR.										
26...	1230	309	--	--	--	--	--	--	--	--
MAY										
07...	0915	546	1.7	1.6	--	--	--	--	--	--
SEP.										
24...	1630	100	--	--	--	.30	.01	.72	.73	1.0

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	DISSOLVED SOLIDS (TONS PER DAY)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)
FEB.										
28...	2.0	.11	44	.06	32.6	12	56	6.9	7.1	--
MAR.										
26...	--	--	--	--	--	--	70	5.9	11.0	--
MAY										
07...	--	--	36	.05	53.1	11	60	6.0	16.5	--
SEP.										
24...	4.6	.31	53	.07	14.3	--	65	6.4	17.0	70

DATE	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
FEB.									
28...	11.8	--	1.3	--	--	3.5	1	--	--
MAR.									
26...	9.8	--	--	--	--	--	--	--	--
MAY									
07...	9.6	--	.1	--	--	--	--	--	--
SEP.									
24...	9.4	12	--	7100	500	9.8	--	41	11

07275700 - COLDWATER RIVER NEAR RED BANKS, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
OCT.					
25...	1800	38	6.5	15.0	9.2

07285500 - YALOBUSHA RIVER AT GRENADA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)
FEB. 28...	1400	3.0	1.2	2.9	.16	--	--	.52	.68
MAR. 26...	1410	--	--	--	--	--	--	--	--
MAY 07...	1400	2.4	1.9	--	--	--	--	--	--
SEP. 24...	1500	--	--	--	.03	.13	.39	.52	.55

DATE	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)
FEB. 28...	3.0	.17	47	.06	12	49	7.1	9.0	--
MAR. 26...	--	--	--	--	--	57	6.2	14.0	--
MAY 07...	--	--	32	.04	14	65	6.6	22.0	--
SEP. 24...	2.4	.10	51	.07	--	65	6.6	22.0	10

DATE	DIS-SOLVED OXYGEN (MG/L)	CHEM-ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)	SUS-PENDED SEDI-MENT (MG/L)
FEB. 24...	11.4	--	1.7	--	--	5.2	0	--
MAR. 26...	10.5	--	--	--	--	--	--	--
MAY 07...	9.3	--	.9	--	--	--	--	--
SEP. 24...	9.3	20	--	825000	2500	11	--	14

07287000 - YAZOO RIVER AT GREENWOOD, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
FEB. 28...	1700	3.0	1.4	3.2	.17	.52	.69	3.1	.27	52
MAR. 26...	1715	--	--	--	--	--	--	--	--	--
MAY 07...	1500	3.9	2.0	--	--	--	--	--	--	44

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
FEB. 28...	.07	13	61	7.2	11.0	10.2	2.5	7.8	6
MAR. 26...	--	--	58	6.0	13.0	10.0	--	--	--
MAY 07...	.06	21	55	6.7	22.0	7.2	.2	--	--

07288000 - BIG SUNFLOWER RIVER AT CLARKSDALE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)
DEC.									
05...	1200	--	--	--	--	--	--	--	--
FEB.									
28...	1100	--	15	4.4	--	--	--	--	--
MAR.									
26...	1425	--	--	--	--	--	--	--	--
MAY									
07...	1200	--	17	11	--	--	--	--	--
JULY									
31...	0620	45	--	--	--	--	--	--	--
31...	0915	45	--	--	--	--	--	--	--
31...	1215	45	--	--	--	--	--	--	--
31...	1515	42	--	--	--	--	--	--	--
31...	1830	42	--	--	--	--	--	--	--
31...	2115	41	--	--	--	--	--	--	--
31-31	--	--	--	--	.35	.40	.60	1.0	1.4
AUG.									
01-01	--	--	--	--	.35	.40	.60	1.0	1.4
01...	0020	40	--	--	--	--	--	--	--
01...	0320	39	--	--	--	--	--	--	--
SEP.									
24...	1200	--	--	--	.17	.14	.66	.80	.97

DATE	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	HARDNESS (CA,MG) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
DEC.									
05...	--	--	--	--	--	--	95	7.1	13.0
FEB.									
28...	--	--	--	97	.13	56	140	7.4	9.8
MAR.									
26...	--	--	--	--	--	--	570	6.5	17.0
MAY									
07...	--	--	--	192	.26	88	425	6.9	22.0
JULY									
31...	--	--	--	--	--	--	360	7.3	26.6
31...	--	--	--	--	--	--	400	7.4	25.8
31...	--	--	--	--	--	--	350	7.3	26.4
31...	--	--	--	--	--	--	370	7.3	27.0
31...	--	--	--	--	--	--	400	7.3	27.2
31-31	6.0	.33	.17	--	--	--	400	7.4	27.0
AUG.									
01-01	6.0	.33	.17	--	--	--	--	--	--
01...	--	--	--	--	--	--	--	--	--
01...	--	--	--	--	--	--	400	7.4	26.0
SEP.									
24...	4.3	.29	--	133	.18	--	370	7.3	26.0
							190	6.6	17.0

DATE	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUSPENDED SEDIMENT (MG/L)
DEC.								
05...	--	6.3	--	2.4	--	--	--	--
FEB.								
28...	--	9.9	--	2.2	--	--	--	--
MAR.								
26...	--	7.4	--	--	--	--	--	--
MAY								
07...	--	6.0	--	3.6	--	--	--	70
JULY								
31...	--	4.4	--	--	--	--	--	--
31...	--	3.7	--	--	--	--	--	--
31...	--	4.0	--	--	--	--	--	--
31...	--	3.4	--	--	--	--	--	--
31...	--	3.1	--	--	--	--	--	--
31...	--	3.3	--	--	--	--	--	--
31-31	--	--	--	3.5	--	--	--	--
AUG.								
01-01	--	--	--	3.5	--	--	--	--
01...	--	3.4	--	--	--	--	--	--
01...	--	3.1	--	--	--	--	--	--
SEP.								
24...	40	6.9	20	--	2420	933	7.7	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

BIG BLACK RIVER BASIN

07290210 - BIG BLACK RIVER NEAR PORT GIBSON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)
DEC.										
07...	1030	--	--	--	--	--	--	--	--	--
JAN.										
30...	1200	4.4	1.9	5.3	.10	.26	.36	1.6	.26	49

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	PHENOLS (UG/L)
DEC.									
07...	--	--	70	5.7	11.0	8.5	1.6	--	--
JAN.									
30...	.07	19	67	6.7	13.8	8.6	--	8.5	3

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TUPELO AREA

An intensive study of the quality of surface waters in the Tupelo area was conducted June 24-28, 1974. Samples were obtained at 20 sites on Town Creek and its tributaries. Listed below are site locations and results of laboratory analyses and of field determinations of water quality during the study.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02434575 - MUD CREEK NEAR TUPELO, MISS. (LAT 34 18 56 LONG 088 41 42)						
JUNE, 1974						
26...	0845	13	210	7.5	18.0	9.1
26...	1055	13	210	7.6	19.5	8.5
26...	1200	13	210	7.6	21.0	8.5
26...	1530	13	210	7.7	22.0	7.4
26...	1900	13	210	7.7	21.0	8.2
26...	2115	13	180	7.6	20.0	7.8
27...	0205	13	210	7.6	19.0	7.1
27...	0450	13	220	7.5	18.5	6.9
02435000 - MUD CREEK AT TUPELO, MISS. (LAT 34 15 20 LONG 088 41 05)						
JUNE, 1974						
26...	0800	16	210	7.6	18.0	9.1
26...	1035	16	220	7.6	19.0	8.9
26...	1235	15	220	7.7	21.0	8.6
26...	1600	15	220	7.7	24.0	7.6
26...	1830	14	220	7.7	23.0	8.4
26...	2145	14	180	7.6	22.0	7.9
27...	0150	13	220	7.6	20.0	6.3
27...	0410	13	220	7.6	19.0	6.6
02435020 - TOWN CREEK AT EASON BOULEVARD AT TUPELO, MISS. (LAT 34 14 08 LONG 088 41 43)						
JUNE, 1974						
25...	0730	50	--	--	18.0	6.5
25...	0800	50	--	--	18.0	7.0
25...	0900	50	--	--	18.0	8.5
25...	1000	50	--	--	19.0	8.5
25...	1500	50	--	--	24.0	8.7
26...	0820	50	420	7.1	18.0	8.6
26...	0955	48	350	7.5	20.0	8.5
26...	1300	46	300	7.6	25.0	7.9
26...	1615	44	300	7.7	26.5	7.1
26...	1845	43	300	7.7	24.0	8.1
26...	2200	44	300	7.6	22.0	7.2
27...	0105	43	300	7.3	20.0	6.5
27...	0320	43	280	7.4	20.0	6.1
02435028 - SEWAGE DISPOSAL DITCH NO. 1 AT TUPELO, MISS. (LAT 34 13 45 LONG 088 41 30)						
JUNE, 1974						
26...	0720	.47	450	10.7	21.0	2.6
26...	0945	.47	425	7.4	22.5	4.7
26...	1320	.47	450	6.9	26.0	13.8
26...	1630	.47	450	6.9	27.0	15.0
26...	1900	.47	450	6.8	26.0	14.6
26...	2220	.47	400	9.7	25.0	9.8
27...	0055	.47	450	8.1	23.0	5.7
27...	0310	.47	390	10.2	22.0	3.9
02435246 - SEWAGE DISPOSAL DITCH NO. 2 AT TUPELO, MISS. (LAT 34 13 21 LONG 088 41 48)						
JUNE, 1974						
26...	0830	1.4	230	10.2	21.0	8.6
26...	1100	1.4	150	9.9	22.5	13.8
26...	1450	1.4	195	9.7	24.5	16.8
26...	1725	1.4	200	9.5	25.0	15.6
26...	2005	1.4	135	8.8	25.0	19.4
26...	2345	1.4	260	7.9	24.0	14.4
27...	0135	1.4	260	10.0	23.0	11.6
27...	0345	1.4	500	10.2	22.0	15.1
02435254 - SEWAGE DISPOSAL DITCH NO. 3 AT TUPELO, MISS. (LAT 34 13 07 LONG 088 41 45)						
JUNE, 1974						
26...	0740	1.3	550	10.3	21.0	7.4
26...	1015	1.3	500	9.2	22.0	9.2
26...	1445	1.3	500	8.8	25.0	16.4
26...	1620	1.3	600	7.4	25.0	18.4
26...	1955	1.3	550	9.1	25.0	17.4
26...	2335	1.3	500	10.6	24.0	16.6
27...	0130	1.3	500	9.5	23.0	10.6
27...	0335	1.3	450	10.2	22.0	16.0

TUPELO AREA.--Continued

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
02435257 - SEWAGE DISPOSAL DITCH NO. 4 AT TUPELO, MISS. (LAT 34 13 01 LONG 088 41 43)						
JUNE, 1974						
26...	0745	.36	650	9.0	20.5	1.1
26...	1020	.36	800	6.8	23.0	.8
26...	1415	.36	800	7.0	28.0	.3
26...	1715	.36	800	7.3	27.0	.3
26...	1950	.36	800	6.9	25.5	.6
26...	2330	.36	800	7.0	24.0	.6
27...	0125	.36	800	8.8	22.0	.8
27...	0325	.36	550	10.5	21.5	1.0
02435500 - TOWN CREEK NEAR VERONA, MISS. (LAT 34 11 53 LONG 088 40 57)						
JUNE, 1974						
25...	1100	57	--	--	19.0	8.5
25...	1230	57	--	--	20.5	8.6
25...	1300	57	--	--	20.5	8.6
25...	1400	57	--	--	22.0	8.4
25...	1600	57	--	--	25.0	9.0
25...	1700	55	--	--	25.5	9.2
25...	1800	54	--	--	26.0	8.6
26...	0745	52	350	7.7	19.0	6.6
26...	0925	52	350	7.8	19.0	8.1
26...	1350	51	380	7.8	22.5	7.7
26...	1650	51	380	8.0	25.0	8.4
26...	1930	50	350	7.9	25.0	8.1
26...	2247	49	270	7.6	26.0	6.1
27...	0025	49	350	7.5	22.0	6.0
27...	0245	49	360	7.5	20.0	5.7
27...	0900	48	--	--	20.0	8.4
27...	1000	48	--	--	20.0	8.8
27...	1100	48	--	--	20.0	9.5
27...	1200	48	--	--	21.0	9.8
27...	1400	48	--	--	23.0	10.6
27...	1500	48	--	--	24.0	10.0
27...	1600	48	--	--	25.0	10.8
27...	1700	48	--	--	25.5	10.6
27...	1800	48	--	--	26.0	10.0
02435504 - SEWAGE DISPOSAL DITCH NO. 5 NEAR TUPELO, MISS. (LAT 34 12 19 LONG 088 40 24)						
JUNE, 1974						
26...	0700	.03	280	9.8	18.0	2.3
26...	0930	.03	280	9.3	20.0	4.0
26...	1340	.03	280	9.0	22.5	4.7
26...	1640	.03	280	9.9	25.0	10.0
26...	1920	.03	280	10.1	25.0	9.1
26...	2240	.03	280	8.7	23.0	5.7
27...	0040	.03	280	10.0	21.5	3.9
27...	0255	.03	300	10.4	20.0	2.3
02435515 - TOWN CREEK NEAR UNION, MISS. (LAT 34 09 18 LONG 088 39 40)						
JUNE, 1974						
26...	0700	60	350	7.6	21.0	7.0
26...	0950	57	350	7.8	22.0	10.8
26...	1230	57	350	8.0	23.0	11.2
26...	1545	57	350	8.4	24.3	12.4
26...	1835	56	290	8.3	24.0	12.2
26...	2115	57	400	8.1	23.0	10.1
27...	0100	57	350	7.9	22.5	8.4
27...	0350	57	375	7.8	23.0	6.9
02435830 - COONEWAH CREEK NEAR SHANNON, MISS. (LAT 34 07 20 LONG 088 39 50)						
JUNE, 1974						
26...	0630	17	230	7.8	19.0	10.4
26...	0930	17	230	7.8	20.0	10.6
26...	1305	17	230	7.9	24.5	8.5
26...	1615	17	230	7.9	26.0	7.9
26...	1855	17	230	7.8	25.0	7.5
26...	2155	17	165	7.8	22.2	7.6
27...	0120	17	180	7.8	20.0	8.1
27...	0330	17	220	7.8	20.0	7.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TUPELO AREA.--Continued

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02435850 - TOWN CREEK NEAR SHANNON, MISS. (LAT 34 05 59 LONG 088 39 11)						
JUNE, 1974						
25...	0700	77	--	--	20.8	7.7
25...	0800	77	--	--	20.8	7.7
25...	0900	77	--	--	20.8	8.2
25...	1000	77	--	--	20.8	8.2
25...	1100	77	--	--	21.4	9.1
25...	1200	77	--	--	21.4	9.3
25...	1300	77	--	--	22.0	9.9
25...	1400	77	--	--	22.2	10.6
25...	1500	77	--	--	22.6	10.7
25...	1600	77	--	--	23.0	11.1
25...	1700	77	--	--	23.4	11.5
25...	1800	77	--	--	23.8	11.7
26...	0600	74	300	7.8	21.0	7.4
26...	0730	74	--	--	21.4	11.0
26...	0900	74	350	8.0	21.8	11.7
26...	1020	74	--	--	22.0	12.2
26...	1115	74	--	--	22.2	13.0
26...	1325	74	360	8.2	22.5	11.2
26...	1420	74	--	--	23.0	11.8
26...	1635	74	340	8.4	23.2	12.2
26...	1725	74	--	--	23.8	13.2
26...	1910	74	300	8.2	23.9	12.6
26...	2020	74	--	--	24.0	12.2
26...	2220	73	325	8.2	23.8	11.2
26...	2310	73	--	--	23.5	10.8
27...	0145	73	325	8.1	22.8	9.5
27...	0300	73	325	8.1	22.8	9.6
27...	0430	73	--	--	22.5	9.7
27...	0610	73	--	--	22.0	9.2
27...	0900	72	--	--	22.2	10.0
27...	1000	72	--	--	22.7	10.5
27...	1100	72	--	--	23.0	11.2
27...	1200	72	--	--	22.8	11.0
27...	1400	72	--	--	23.0	12.6
27...	1430	72	--	--	23.0	12.8
27...	1500	72	--	--	23.1	13.0
27...	1600	72	--	--	23.5	13.6
27...	1700	72	--	--	23.4	13.8
27...	1800	72	--	--	23.5	14.2
02436390 - CHIWAPA CREEK NEAR NETTLETON, MISS. (LAT 34 04 47 LONG 088 39 23)						
JUNE, 1974						
26...	0740	75	280	7.9	21.0	8.7
26...	1040	74	290	8.0	23.0	8.6
26...	1400	73	290	8.1	27.5	8.3
26...	1655	73	270	8.1	29.0	8.8
26...	2100	72	280	8.0	25.5	8.6
26...	2320	71	280	8.0	23.0	8.9
27...	0200	71	280	8.0	21.0	8.4
27...	0330	71	230	8.0	21.0	8.2
02436425 - SEWAGE DISPOSAL DITCH NO. 1 AT NETTLETON, MISS. (LAT 34 06 01 LONG 088 37 34)						
JUNE, 1974						
27...	0550	E.00	340	10.6	--	--
02436435 - SEWAGE DISPOSAL DITCH NO. 2 AT NETTLETON, MISS. (LAT 34 05 31 LONG 088 38 14)						
JUNE, 1974						
26...	0745	E.02	310	10.4	22.8	15.2
26...	1030	E.02	280	8.7	24.0	7.2
26...	1350	E.02	320	8.8	27.0	>20.0
26...	1650	E.02	320	8.6	27.0	>20.0
26...	1930	E.02	350	10.4	27.2	>20.0
26...	2245	E.02	340	10.4	27.0	>20.0
27...	0210	E.02	300	10.1	24.0	9.5
27...	0450	E.02	290	10.3	23.0	8.8

TUPELO AREA.--Continued

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
02436485 - SEWAGE DISPOSAL DITCH NO. 3 AT NETTLETON, MISS. (LAT 34 04 16 LONG 088 37 38)						
JUNE, 1974						
26...	0810	.04	280	7.0	27.2	6.2
26...	1100	.04	280	6.4	24.0	>20.0
26...	1400	.04	290	6.2	24.5	14.0
26...	1700	.04	290	6.2	26.1	>20.0
26...	1955	.04	290	6.2	26.0	>20.0
26...	2300	.04	250	6.2	26.0	>20.0
27...	0230	.04	270	6.3	23.0	9.9
27...	0515	.04	270	10.4	22.5	7.1
02436500 - TOWN CREEK NEAR NETTLETON, MISS. (LAT 34 03 32 LONG 088 37 40)						
JUNE, 1974						
26...	0650	155	290	7.9	20.0	8.8
26...	1010	154	300	8.3	23.0	9.6
26...	1425	153	300	8.5	27.5	11.4
26...	1630	152	300	8.5	27.5	12.0
26...	2115	150	340	8.2	23.5	10.4
26...	2250	149	340	8.2	23.0	10.0
27...	0115	148	325	8.0	22.0	9.2
27...	0310	147	325	8.0	22.0	9.0
02436515 - SEWAGE DISPOSAL DITCH NO. 4 AT NETTLETON, MISS. (LAT 34 05 05 LONG 088 36 46)						
JUNE, 1974						
27...	0540	.06	280	10.6	--	--
02436800 - TOWN CREEK NEAR BIGBEE, MISS. (LAT 34 01 20 LONG 088 33 15)						
JUNE, 1974						
26...	0950	152	280	7.9	22.0	8.7
26...	1200	152	290	8.1	23.0	9.9
26...	1540	151	290	8.3	26.0	11.6
26...	1830	151	280	8.3	26.0	11.4
26...	2230	150	290	8.1	25.0	9.4
26...	2359	150	300	8.0	24.0	9.1
27...	0240	149	300	7.9	23.0	8.5
27...	0415	148	300	7.9	21.0	8.5
02436998 - TOWN CREEK AT MOUTH NEAR AMORY, MISS. (LAT 33 59 23 LONG 088 32 55)						
JUNE, 1974						
26...	0845	195	280	8.0	19.0	8.8
26...	1050	194	280	8.1	24.0	10.0
26...	1450	189	280	8.4	25.0	12.0
26...	1750	185	280	8.4	24.0	13.8
26...	2150	180	300	8.1	24.0	9.6

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

TUPELO AREA.--Continued

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
02434575 - MUD CREEK NEAR TUPELO, MISS. (LAT 34 18 56 LONG 088 41 42)									
JUNE, 1974 26-27	.04	.00	.47	.47	.51	2.3	.01	.01	1.9
02435000 - MUD CREEK AT TUPELO, MISS. (LAT 34 15 26 LONG 088 41 05)									
JUNE, 1974 26-27	.03	.00	.40	.40	.43	1.9	.06	.01	2.3
02435020 - TOWN CREEK AT EASON BOULEVARD AT TUPELO, MISS. (LAT 34 14 08 LONG 088 41 43)									
JUNE, 1974 26-27	.21	.25	.51	.76	.97	4.3	.16	.14	4.0
02435500 - TOWN CREEK NEAR VERONA, MISS. (LAT 34 11 53 LONG 088 40 57)									
JUNE, 1974 26-27	.14	.00	1.9	1.9	2.0	9.0	.37	.23	7.2
02435515 - TOWN CREEK NEAR UNION, MISS. (LAT 34 09 18 LONG 088 39 40)									
JUNE, 1974 26-27	.27	.12	1.4	1.5	1.8	7.8	.32	.26	7.5
02435830 - COONEWAH CREEK NEAR SHANNON, MISS. (LAT 34 07 20 LONG 088 39 58)									
JUNE, 1974 26-27	.11	.00	.55	.55	.66	2.9	.06	.04	2.6
02435850 - TOWN CREEK NEAR SHANNON, MISS. (LAT 34 05 59 LONG 088 39 11)									
JUNE, 1974 26-27	.00	.00	1.1	1.1	1.1	4.9	.13	.04	6.2
02436390 - CHIWAPA CREEK NEAR NETTLETON, MISS. (LAT 34 04 47 LONG 088 39 23)									
JUNE, 1974 26-27	.00	.00	.27	.27	.27	1.2	.03	.01	1.9
02436500 - TOWN CREEK NEAR NETTLETON, MISS. (LAT 34 03 32 LONG 088 37 40)									
JUNE, 1974 26-27	.00	.00	1.0	1.0	1.0	4.4	.09	.03	5.8
02436800 - TOWN CREEK NEAR BIGBEE, MISS. (LAT 34 01 20 LONG 088 33 15)									
JUNE, 1974 26-27	.01	.00	.71	.71	.72	3.2	.04	.01	4.2
02436998 - TOWN CREEK AT MOUTH NEAR AMORY, MISS. (LAT 33 59 23 LONG 088 32 55)									
JUNE, 1974 26-27	.00	.00	.72	.72	.72	3.2	.04	.01	4.3

TUPELO AREA.--Continued

DATE	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
02435028 - SEWAGE DISPOSAL DITCH NO. 1 AT TUPELO, MISS. (LAT 34 13 45 LONG 088 41 30)		
JUNE, 1974		
26-27	13	38
02435246 - SEWAGE DISPOSAL DITCH NO. 2 AT TUPELO, MISS. (LAT 34 13 21 LONG 088 41 48)		
JUNE, 1974		
26-27	6.0	25
02435254 - SEWAGE DISPOSAL DITCH NO. 3 AT TUPELO, MISS. (LAT 34 13 07 LONG 088 41 45)		
JUNE, 1974		
26-27	9.2	24
02435257 - SEWAGE DISPOSAL DITCH NO. 4 AT TUPELO, MISS. (LAT 34 13 01 LONG 088 41 43)		
JUNE, 1974		
26-27	28	27
02435504 - SEWAGE DISPOSAL DITCH NO. 5 NEAR TUPELO, MISS. (LAT 34 12 19 LONG 088 40 24)		
JUNE, 1974		
26-27	4.8	20
02436425 - SEWAGE DISPOSAL DITCH NO. 1 AT NETTLETON, MISS. (LAT 34 06 01 LONG 088 37 34)		
JUNE, 1974		
27...	14	31
02436435 - SEWAGE DISPOSAL DITCH NO. 2 AT NETTLETON, MISS. (LAT 34 05 31 LONG 088 38 14)		
JUNE, 1974		
26-27	7.6	30
02436485 - SEWAGE DISPOSAL DITCH NO. 3 AT NETTLETON, MISS. (LAT 34 04 16 LONG 088 37 30)		
JUNE, 1974		
26-27	15	31
02436515 - SEWAGE DISPOSAL DITCH NO. 4 AT NETTLETON, MISS. (LAT 34 05 05 LONG 088 36 46)		
JUNE, 1974		
27...	2.1	11

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

HATTIESBURG AREA

An intensive study of the quality of surface waters in the Hattiesburg area was conducted Oct. 15-19, 1974. Samples were obtained at 27 sites on Bowie and Leaf Rivers and their tributaries. Listed below are site locations and results of laboratory analyses and field determinations of water quality during the study.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02472374 - BOGGY BRANCH NEAR PEARL, MISS. (LAT 31 21 47 LONG 089 19 12)						
OCT., 1973						
16...	0755	1.2	360	6.4	21.5	7.5
16...	1200	1.2	400	6.4	22.5	8.2
17...	0755	1.2	140	6.5	18.5	8.2
17...	1110	1.4	155	6.5	19.0	8.1
17...	1450	1.4	160	6.9	20.0	8.0
17...	1830	1.6	170	6.4	19.0	8.4
17...	2305	1.8	180	6.5	18.0	8.7
18...	0230	2.0	200	6.5	16.0	8.7
18...	0620	2.2	210	6.5	15.0	9.3
18...	1010	2.1	295	6.3	16.0	9.4
18...	1330	2.2	290	6.5	19.0	9.4
18...	1545	2.3	275	6.3	19.0	9.5
02472375 - LEAF RIVER AB BOWIE RIVER AT HATTIESBURG, MISS. (LAT 31 28 40 LONG 089 16 46)						
OCT., 1973						
16...	0820	349	59	6.5	22.5	7.9
16...	1210	349	59	6.5	23.5	7.8
17...	0820	385	60	6.6	20.0	8.3
17...	1125	463	60	6.5	20.5	8.4
17...	1500	485	60	6.5	22.0	8.4
17...	1745	492	62	6.6	21.5	8.4
17...	2320	517	57	6.5	20.0	8.4
18...	0250	520	58	6.5	19.5	8.8
18...	0630	525	56	6.5	18.0	8.7
18...	1030	530	60	6.6	19.0	8.8
18...	1345	530	58	6.5	20.0	8.7
18...	1600	530	53	6.1	21.0	7.8
02472500 - BOWIE CREEK NEAR HATTIESBURG, MISS (LAT 31 25 32 LONG 089 24 53)						
OCT., 1973						
16...	0645	195	28	6.7	22.0	8.1
16...	1020	195	28	6.4	22.0	8.2
16...	1315	195	30	7.3	22.0	8.3
16...	1545	185	28	7.2	22.0	8.7
17...	0730	250	28	6.6	20.0	8.7
17...	1215	260	29	6.5	20.0	9.2
17...	1735	270	30	6.7	20.0	9.0
17...	2120	270	27	6.5	19.0	8.5
18...	0015	270	24	6.6	19.0	8.4
18...	0330	278	27	6.4	18.0	8.3
18...	0730	278	28	6.6	18.0	9.3
18...	1015	278	32	6.6	18.0	9.7
18...	1215	278	31	6.6	18.0	9.6
18...	1500	278	30	6.3	21.0	9.4
02472860 - OKATOMA CREEK AT LUX, MISS. (LAT 31 26 35 LONG 089 24 23)						
OCT., 1973						
16...	0710	186	42	6.6	22.0	8.0
16...	1035	186	40	6.5	22.0	7.8
16...	1330	186	42	6.5	22.0	8.0
16...	1605	200	42	7.1	21.0	7.6
17...	0830	230	--	6.5	--	7.4
17...	1230	260	46	6.5	20.0	8.9
17...	1750	270	44	6.6	20.0	8.4
17...	2135	270	48	6.6	19.0	8.4
18...	0030	265	42	6.5	18.0	8.4
18...	0345	260	45	6.4	17.0	8.4
18...	0750	260	43	6.5	17.0	9.3
18...	1020	260	48	[illegible].4	18.0	9.7
18...	1225	250	46	6.7	18.0	8.5
18...	1510	250	44	6.4	21.0	8.6

HATTIESBURG AREA.--Continued

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
02472875 - PROVIDENCE CREEK NEAR GLENDALE, MISS. (LAT 31 24 38 LONG 089 22 14)						
OCT., 1973						
16...	0730	9.4	24	6.5	21.0	7.8
16...	1055	9.4	25	6.6	22.0	7.7
16...	1340	9.4	22	6.7	21.0	7.8
16...	1615	9.4	26	7.0	20.0	7.4
17...	0845	9.4	30	6.4	18.0	8.3
17...	1245	9.4	28	6.6	20.0	8.6
17...	1800	9.4	27	6.6	19.0	8.7
17...	2150	9.4	25	6.6	18.0	8.5
18...	0050	9.4	29	6.5	17.0	8.8
18...	0400	9.4	24	6.5	15.0	8.6
18...	0850	9.4	24	6.6	16.0	9.6
18...	1030	9.4	28	6.5	16.0	9.8
18...	1235	9.4	26	6.5	18.0	8.9
18...	1520	9.4	27	6.5	20.0	8.0
02472880 - BOWIE RIVER NEAR GLENDALE, MISS. (LAT 31 23 44 LONG 089 21 56)						
OCT., 1973						
16...	0740	409	36	6.5	22.0	8.0
16...	1100	409	36	6.6	22.0	8.1
16...	1350	410	36	6.6	22.0	8.1
16...	1625	389	36	6.9	21.0	7.8
17...	0850	525	--	6.4	--	--
17...	1255	563	38	6.6	20.0	9.0
17...	1815	567	38	6.7	20.0	8.6
17...	2200	567	34	6.7	19.0	8.7
18...	0110	567	32	6.5	18.0	8.5
18...	0410	584	40	6.5	17.0	8.3
18...	0800	584	37	6.5	17.0	9.4
18...	1040	584	40	6.5	18.0	9.9
18...	1245	567	38	6.6	19.0	8.9
18...	1530	567	39	6.5	20.0	9.0
02472900 - BIG CREEK NEAR HATTIESBURG, MISS. (LAT 31 23 18 LONG 089 22 34)						
OCT., 1973						
16...	0750	3.4	36	6.1	22.0	6.4
16...	1115	3.5	36	6.1	22.0	7.1
16...	1400	3.7	35	6.4	22.0	7.7
16...	1635	4.2	35	6.6	21.0	7.0
17...	0905	2.3	36	6.2	18.0	8.3
17...	1305	2.1	34	6.4	20.0	9.6
17...	1820	2.1	32	6.5	19.0	8.9
17...	2210	2.1	30	6.4	18.0	7.9
18...	0120	1.9	29	6.4	17.0	7.7
18...	0420	1.9	30	6.4	16.0	7.5
18...	0715	1.8	30	6.4	16.0	9.0
18...	1000	1.8	35	6.4	16.0	9.8
18...	1255	1.7	32	6.4	17.0	8.4
18...	1445	1.7	33	6.4	16.0	9.0
02472920 - MINERAL CREEK NEAR GLENDALE, MISS. (LAT 31 22 48 LONG 089 22 02)						
OCT., 1973						
16...	0800	.11	75	6.3	22.0	3.0
16...	1125	.11	75	6.2	22.0	2.7
16...	1410	.11	76	6.3	22.0	3.1
16...	1645	.11	75	6.5	20.0	3.9
17...	0920	.11	79	6.1	18.0	4.2
17...	1315	.11	80	6.3	20.0	3.4
17...	1830	.11	75	6.3	19.0	3.4
17...	2220	.11	70	6.2	17.0	2.8
18...	0130	.11	64	6.2	16.0	2.9
18...	0430	.11	70	6.2	15.0	2.9
18...	0810	.11	74	6.3	15.0	4.7
18...	1050	.11	86	6.5	15.0	5.1
18...	1305	.11	85	6.4	17.0	5.5
18...	1540	.11	84	6.6	19.0	6.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

HATTIESBURG AREA.--Continued

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02472940 - BOWIE RIVER NEAR HATTIESBURG, MISS. (LAT 31 22 03 LONG 089 20 11)						
OCT., 1973						
16...	0820	410	37	6.7	22.0	7.7
16...	1150	410	38	6.6	21.0	8.3
16...	1425	390	36	6.5	22.0	7.9
16...	1705	527	36	6.6	21.0	7.8
17...	0950	565	36	6.3	19.0	8.3
17...	1335	568	39	6.6	20.0	9.0
17...	1855	568	36	6.7	20.0	8.5
17...	2240	568	32	6.6	20.0	8.4
18...	0145	585	31	6.4	18.0	8.2
18...	0450	585	38	6.2	16.0	8.0
18...	0825	585	40	6.5	17.0	9.4
18...	1105	568	42	6.5	18.0	9.7
18...	1325	568	42	6.5	18.0	8.8
18...	1555	568	42	6.6	19.0	8.6
02472945 - MIXONS CREEK NEAR GLENDALE, MISS. (LAT 31 21 21 LONG 089 20 21)						
OCT., 1973						
16...	0840	5.2	67	6.6	23.0	5.6
16...	1205	5.2	68	6.6	22.0	5.8
16...	1440	5.4	70	6.5	22.0	6.1
16...	1720	7.2	75	6.6	21.0	6.5
17...	1020	7.2	85	6.9	18.0	7.5
17...	1400	7.2	65	6.7	20.0	8.5
17...	1915	6.8	54	6.6	19.0	8.2
17...	2300	6.4	50	6.5	18.0	7.8
18...	0205	6.0	43	6.2	16.0	6.1
18...	0510	6.0	48	6.4	15.0	7.8
18...	0840	5.6	50	6.5	15.0	9.0
18...	1120	5.6	56	6.4	16.0	9.6
18...	1335	5.6	52	6.4	18.0	8.3
18...	1610	5.6	53	6.3	18.0	8.2
02472978 - BAY CREEK AT GLENDALE, MISS. (LAT 31 21 48 LONG 089 18 20)						
OCT., 1973						
16...	0710	.37	36	6.0	22.5	5.6
16...	1110	1.1	38	5.9	22.5	5.8
16...	1550	1.1	38	6.2	22.0	6.1
17...	1030	.18	40	5.9	18.0	8.4
17...	1310	.13	42	5.9	20.0	8.7
17...	1800	.09	42	6.2	19.5	7.9
17...	2225	.04	46	6.0	18.0	7.7
18...	0240	.02	35	--	15.0	7.7
18...	0540	.02	38	6.1	15.0	7.1
18...	0905	.04	38	6.1	15.0	8.9
18...	1400	.02	39	5.8	16.0	7.3
18...	1620	.02	39	5.8	17.0	7.2
02472980 - BOWIE RIVER AT HATTIESBURG, MISS. (LAT 31 20 58 LONG 089 18 18)						
OCT., 1973						
16...	0645	396	32	6.4	23.0	7.6
16...	1055	376	31	6.2	23.0	7.4
16...	1525	350	34	6.3	22.5	7.3
17...	1040	503	38	6.1	21.0	8.2
17...	1430	550	38	6.3	22.0	8.2
17...	1750	564	34	6.3	22.0	7.8
17...	2205	587	35	6.4	21.0	8.2
18...	0230	592	32	--	20.0	6.8
18...	0520	592	48	6.5	18.0	7.0
18...	0930	600	36	6.3	20.0	9.0
18...	1345	608	38	6.4	21.0	7.0
18...	1635	608	39	6.3	21.0	7.0

HATTIESBURG AREA.--Continued

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02472995 - BOWIE RIVER TRIBUTARY AT HATTIESBURG, MISS. (LAT 31 20 37 LONG 089 17 46)						
OCT., 1973						
16...	0725	14	450	7.5	40.0	4.6
16...	1130	14	>800	9.0	40.0	4.6
16...	1655	14	575	7.6	34.0	5.2
17...	0715	14	>800	7.0	37.0	4.2
17...	1055	15	500	7.0	36.0	4.5
17...	1430	14	>800	7.3	36.5	4.2
17...	1815	13	>800	7.1	39.0	4.1
17...	2250	14	>800	7.2	37.0	4.7
18...	0220	14	>800	6.7	37.0	4.3
18...	0605	14	500	8.5	36.0	4.4
18...	0955	14	>800	6.2	38.0	4.8
18...	1305	14	>800	6.0	37.0	5.3
18...	1525	14	>800	7.7	37.0	4.2
02472999 - BOWIE RIVER AT MOUTH AT HATTIESBURG, MISS. (LAT 31 20 38 LONG 089 16 50)						
OCT., 1973						
16...	0830	502	57	6.3	23.5	5.7
16...	1225	502	62	6.5	24.0	5.3
17...	0940	637	60	6.2	22.0	5.8
17...	1130	667	53	6.4	23.0	6.1
17...	1510	696	50	6.4	23.0	6.0
17...	1805	714	60	6.4	22.5	6.4
17...	2340	743	56	6.5	22.0	6.8
18...	0310	749	48	6.4	22.0	6.6
18...	0650	758	50	6.4	21.5	6.9
18...	1055	767	58	6.2	21.0	7.2
18...	1320	773	53	6.3	21.5	6.8
18...	1530	770	50	6.0	22.0	--
02473050 - GORDONS CREEK AT PINE STREET AT HATTIESBURG, MS. (LAT 31 19 30 LONG 089 17 30)						
OCT., 1973						
16...	0955	1.9	105	6.8	23.0	5.7
16...	1250	1.9	98	6.9	23.5	6.9
16...	1635	13	85	6.7	21.5	7.1
17...	0900	4.2	68	6.7	18.0	8.1
17...	1245	3.7	54	6.5	19.5	8.7
17...	1315	3.2	70	6.8	20.0	8.5
17...	1910	2.7	85	6.7	19.5	8.3
17...	2350	2.7	90	6.8	18.0	8.0
18...	0325	2.4	100	6.7	17.0	7.9
18...	0700	1.9	110	6.8	15.5	7.8
18...	1110	1.9	128	6.6	17.0	8.8
18...	1400	1.8	130	6.8	19.5	8.6
18...	1420	1.7	130	6.6	18.5	7.9
02473080 - LEAF RIVER AT RIVER AVENUE AT HATTIESBURG, MISS. (LAT 31 19 36 LONG 089 16 02)						
OCT., 1973						
16...	0935	865	62	6.6	23.5	6.2
16...	1350	875	59	6.8	23.5	6.1
17...	1000	1000	60	6.6	21.0	7.2
17...	1330	1050	70	6.7	22.0	7.3
17...	1610	1180	60	6.9	22.5	7.5
17...	1955	1230	57	6.7	22.0	7.6
18...	0045	1250	59	6.9	21.0	7.6
18...	0400	1260	58	6.9	20.0	7.6
18...	0740	1300	56	6.8	20.0	7.9
18...	1140	1310	57	6.3	21.0	8.9
18...	1445	1300	--	--	21.5	8.2
18...	1710	1290	65	6.8	21.5	7.9

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

HATTIESBURG AREA.--Continued

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
02473120 - BURKETTS CREEK AT HATTIESBURG, MISS. (LAT 31 18 26 LONG 089 16 44)						
OCT., 1973						
16...	0915	6.8	120	9.3	22.5	5.5
16...	1335	8.2	80	8.4	22.5	5.6
17...	0925	16	54	8.6	18.5	7.4
17...	1305	17	80	9.7	19.5	7.8
17...	1550	16	77	9.6	20.0	7.9
17...	1935	14	95	10.0	19.5	7.7
18...	0005	14	160	10.4	18.0	7.6
18...	0340	12	74	6.8	17.0	7.5
18...	0720	11	75	5.3	16.5	7.8
18...	1125	10	64	6.6	17.0	7.9
18...	1420	10	110	8.7	18.0	7.9
18...	1650	10	175	10.0	18.5	7.2
02473150 - LOTTS CREEK NEAR PETAL, MISS. (LAT 31 18 38 LONG 089 14 14)						
OCT., 1973						
16...	0950	6.0	29	6.8	21.0	7.8
16...	1405	6.0	29	6.8	21.5	8.0
17...	0745	6.0	34	6.1	18.0	9.1
17...	1110	6.0	36	6.2	18.0	9.0
17...	1535	7.6	38	6.7	19.5	9.0
17...	2035	4.6	32	6.3	18.5	9.0
18...	0045	3.5	30	6.5	17.0	9.4
18...	0350	2.7	30	6.3	16.3	9.0
18...	0715	1.9	32	6.3	15.5	9.0
18...	1045	1.6	32	--	16.5	9.1
18...	1340	1.5	34	6.3	17.5	9.1
18...	1520	1.3	40	6.3	19.0	8.8
02473230 - PRIESTS CREEK NEAR MCCALLUM, MISS. (LAT 31 16 10 LONG 089 14 32)						
OCT., 1973						
16...	0645	6.8	28	6.0	21.5	7.8
16...	1000	6.8	32	5.7	21.7	8.1
16...	1335	8.2	32	6.2	22.0	8.2
16...	1630	14	34	6.2	21.0	8.2
17...	0700	16	30	6.1	19.0	9.3
17...	1030	17	28	6.3	18.8	9.1
17...	1405	16	29	6.3	20.5	8.7
17...	1940	14	30	6.3	19.0	8.6
18...	0012	14	24	6.5	18.3	9.0
18...	0315	14	31	6.3	17.5	8.7
18...	0635	10	30	6.5	17.0	9.0
18...	1005	10	31	6.3	16.5	10.0
18...	1320	10	32	6.3	20.0	8.5
18...	1500	10	32	6.0	20.5	8.2
02473260 - LEAF RIVER NEAR PALMER, MISS. (LAT 31 15 40 LONG 089 13 35)						
OCT., 1973						
16...	0700	930	66	6.4	23.8	5.6
16...	1015	930	66	6.2	23.5	5.6
16...	1348	930	68	6.3	24.0	6.0
16...	1650	930	68	6.2	23.0	6.3
17...	0715	1080	85	6.2	21.0	6.5
17...	1050	1100	60	6.4	21.0	6.9
17...	1425	1270	78	6.4	23.0	7.0
17...	2000	1330	60	6.6	22.0	7.2
18...	0030	1350	56	6.5	21.0	7.1
18...	0330	1350	56	6.4	21.0	6.7
18...	0645	1400	60	6.5	20.5	7.1
18...	1025	1420	60	6.5	21.0	8.2
18...	1330	1440	56	6.5	23.0	7.5
18...	1505	1440	57	6.6	23.2	7.0

HATTIESBURG AREA.--Continued

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02473308 - MYERS CREEK NEAR MCCALLUM, MISS. (LAT 31 15 05 LONG 089 13 52)						
OCT., 1973						
16...	0850	3.5	26	6.5	21.3	8.4
16...	1225	3.6	26	6.5	21.6	8.6
16...	1540	4.4	24	6.6	21.5	8.3
16...	1850	5.2	24	6.4	21.0	8.3
17...	0940	10	26	6.0	18.5	9.6
17...	1310	8.2	26	6.3	19.0	8.8
17...	1805	5.5	28	6.5	19.0	9.1
17...	2300	4.0	28	6.4	18.0	9.1
18...	0225	3.5	28	6.7	17.0	9.1
18...	0530	3.5	28	6.4	17.0	9.0
18...	0915	3.5	28	7.0	16.5	10.2
18...	1240	2.9	25	6.5	17.5	9.3
18...	1450	2.8	26	6.3	18.0	8.8
18...	1635	2.8	26	6.5	18.0	--
02473312 - CARTERS CREEK NEAR MCCALLUM, MISS. (LAT 31 16 11 LONG 089 12 32)						
OCT., 1973						
16...	0713	.27	32	5.4	20.0	2.8
16...	1025	.27	32	5.4	20.0	3.5
16...	1405	.30	32	5.5	20.5	3.8
16...	1705	.30	32	5.5	20.0	3.9
17...	0800	.27	26	5.6	18.3	3.9
17...	1130	.30	33	5.6	19.0	4.5
17...	1555	.27	31	5.6	19.5	4.5
17...	2055	.25	31	5.8	19.0	3.8
18...	0059	.25	32	6.2	18.8	4.0
18...	0410	.25	31	5.7	18.0	3.9
18...	0730	.27	32	5.8	18.0	3.8
18...	1105	.30	31	6.2	19.5	4.4
18...	1350	.30	32	5.6	20.7	4.5
18...	1535	.30	34	5.7	21.0	4.4
02473317 - JACOBS CREEK AT MCCALLUM, MISS. (LAT 31 14 32 LONG 089 13 06)						
OCT., 1973						
16...	0837	3.3	32	6.7	21.3	8.1
16...	1210	3.3	31	6.7	21.5	8.2
16...	1525	3.3	31	6.6	21.5	8.2
16...	1835	3.6	32	6.5	21.0	8.1
17...	0930	4.2	32	6.1	18.3	8.8
17...	1245	3.7	31	6.2	19.0	8.6
17...	1755	2.5	31	6.1	19.0	8.9
17...	2250	1.7	30	6.1	18.0	8.9
18...	0215	1.7	32	6.2	17.5	8.9
18...	0520	1.7	31	6.0	17.0	8.8
18...	0900	3.1	30	6.1	16.0	9.8
18...	1225	3.1	30	6.9	17.0	9.3
18...	1445	3.1	31	6.5	18.2	9.0
18...	1630	3.1	30	6.5	18.0	--
02473323 - WELDY CREEK AT MCCALLUM, MISS. (LAT 31 13 53 LONG 089 11 44)						
OCT., 1973						
16...	0828	4.0	75	6.8	21.0	8.8
16...	1150	4.0	72	6.7	21.3	9.0
16...	1505	4.0	72	6.5	21.5	8.6
16...	1825	4.3	68	6.3	20.5	8.8
17...	0920	4.9	74	6.2	17.5	9.3
17...	1230	4.4	75	6.7	18.0	9.0
17...	1745	3.2	72	6.2	18.0	9.2
17...	2230	2.5	68	6.3	18.0	9.4
18...	0200	2.5	75	6.2	17.0	9.3
18...	0410	2.5	75	6.1	16.0	9.0
18...	0850	3.9	75	6.3	15.0	10.6
18...	1215	3.9	75	6.7	16.5	9.7
18...	1435	3.9	80	6.8	17.0	9.4
18...	1620	3.9	74	6.8	17.0	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

HATTIESBURG AREA.--Continued

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
02473327 - JAKES CREEK NEAR MCCALLUM, MISS. (LAT 31 14 42 LONG 089 10 34)						
OCT., 1973						
16...	0727	.39	42	5.8	21.5	3.4
16...	1040	.39	42	5.7	21.4	3.8
16...	1420	.46	39	5.7	21.8	3.9
16...	1515	.48	39	5.7	20.0	4.1
17...	0815	.54	40	6.0	18.5	4.7
17...	1140	.68	42	6.1	18.3	4.8
17...	1610	.76	40	6.0	19.0	5.5
17...	2115	.90	32	6.2	18.0	6.5
18...	0110	.90	36	6.4	17.5	6.8
18...	0420	.90	32	6.2	17.0	6.5
18...	0740	1.0	38	6.2	16.0	7.3
18...	1120	.90	39	6.2	17.0	6.7
18...	1355	.96	38	6.2	17.8	6.8
18...	1600	.96	38	5.9	18.0	6.8
02473345 - REESE CREEK NEAR MCCALLUM, MISS. (LAT 31 14 41 LONG 089 09 10)						
OCT., 1973						
16...	0740	2.1	36	6.2	22.0	6.1
16...	1100	2.1	36	6.1	22.0	6.1
16...	1430	2.1	38	6.0	22.0	6.1
16...	1730	2.1	38	6.0	21.0	6.3
17...	0830	3.2	36	6.0	19.0	7.1
17...	1140	4.8	38	6.2	19.0	7.4
17...	1620	7.0	40	6.1	19.0	7.8
17...	2125	7.0	38	6.2	19.0	7.9
18...	0120	7.0	42	6.3	18.2	7.9
18...	0425	7.0	40	6.2	18.0	7.6
18...	0850	6.0	40	6.2	17.0	8.1
18...	1130	5.5	40	6.0	18.0	8.2
18...	1405	5.2	40	6.3	18.2	7.8
18...	1650	5.2	41	6.3	18.5	7.6
02473360 - LEAF R. NR. MAHNED, MISS. (LAT 31 13 35 LONG 089 05 15)						
OCT., 1973						
16...	0752	1310	80	6.3	23.5	6.6
16...	1115	1310	74	6.3	23.5	6.8
16...	1440	1310	70	6.2	23.8	6.4
16...	1750	1310	68	6.2	23.2	6.7
17...	0850	1465	65	6.2	21.0	6.7
17...	1210	1630	68	6.4	21.0	6.8
17...	1655	1830	65	6.2	22.5	7.5
17...	2150	1870	65	6.3	21.5	7.6
18...	0135	1900	68	6.3	21.0	7.3
18...	0440	1930	66	6.3	21.0	7.4
18...	0810	1950	58	6.3	20.5	7.8
18...	1145	2000	58	6.4	21.5	7.6
18...	1410	2000	60	6.8	22.5	7.6
18...	1600	2000	65	6.2	22.5	7.5

HATTIESBURG AREA.--Continued

DATE	TIME	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
02472375 - LEAF RIVER AB BOWIE RIVER AT HATTIESBURG, MISS. (LAT 31 20 40 LONG 089 16 46)									
OCT., 1973									
17...	0820	.11	.26	.37	.05	.7	13000	1800	910
17...	1125	.11	.32	.43	.11	.5	18000	1500	1500
17...	1500	.07	.34	.41	.05	.7	60000	350	1100
17...	1745	.09	.40	.49	.10	1.9	--	--	--
17...	2320	.07	.22	.29	.05	.9	--	--	--
18...	0250	.23	.03	.26	.10	--	120000	1500	180
18...	0430	.06	.17	.23	.05	1.6	--	--	--
02472500 - BOWIE CREEK NEAR HATTIESBURG, MISS (LAT 31 25 32 LONG 089 24 53)									
OCT., 1973									
17...	0730	.07	.17	.24	.04	--	23000	82000	880
17...	1215	.07	.18	.25	.10	1.3	6000	280	1100
17...	1735	.11	.17	.28	.06	--	3800	360	750
17...	2120	.08	.02	.10	.04	.5	3200	860	980
18...	0015	.06	.18	.24	.04	.9	11000	600	780
18...	0330	.10	.51	.61	.09	.8	4400	340	450
18...	0730	.15	.16	.31	.08	--	12000	740	380
02472860 - OKATOMA CREEK AT LUX, MISS. (LAT 31 26 35 LONG 089 24 23)									
OCT., 1973									
17...	0830	.12	.25	.37	.11	--	7500	580	190
17...	1230	.12	.34	.46	.11	--	12000	860	1400
17...	1750	.15	.82	.97	.17	1.4	10000	720	2500
17...	2135	.39	.50	.89	.26	1.2	50000	1600	1600
18...	0030	.32	.04	.36	.22	2.2	100000	>2000	1400
18...	0345	.31	.42	.73	.19	1.6	50000	700	1000
18...	0750	.20	.43	.63	.15	2.2	14000	340	--
18...	1510	--	--	--	--	--	--	--	5000
02472880 - BOWIE RIVER NEAR GLENDALE, MISS. (LAT 31 23 44 LONG 089 21 56)									
OCT., 1973									
17...	0850	.08	.37	.45	.13	.0	25000	1100	1600
17...	1255	.11	.46	.57	.12	--	30000	1100	--
17...	1815	.10	.16	.26	.11	.9	12000	>2000	340
17...	2200	.13	.00	.13	.12	--	25000	>2000	490
18...	0110	.10	.00	.10	.12	--	35000	>2000	750
18...	0410	.32	.31	.63	.18	1.6	--	--	--
18...	0800	.18	.34	.52	.13	1.4	10000	1300	250
02472940 - BOWIE RIVER NEAR HATTIESBURG, MISS. (LAT 31 22 03 LONG 089 20 11)									
OCT., 1973									
17...	0950	.07	.19	.26	.10	--	15000	100	350
17...	1335	.10	.22	.32	.07	--	16000	740	420
17...	1855	.14	.26	.40	.10	.9	20000	550	360
17...	2240	.06	.31	.37	.09	.9	17000	460	120
18...	0145	.08	.09	.17	.08	1.1	40000	780	780
18...	0450	.10	.22	.32	.12	--	25000	620	420
18...	0825	.37	.17	.54	.22	1.6	200	1200	380
02472945 - NIXONS CREEK NEAR GLENDALE, MISS. (LAT 31 21 21 LONG 089 20 21)									
OCT., 1973									
17...	1020	1.5	1.1	2.6	.93	4.7	--	--	--
17...	1400	.83	.47	1.3	.50	2.9	20000	>2000	>500
17...	1915	.61	.49	1.1	.32	2.5	--	--	--
17...	2300	.48	.38	.86	.31	--	--	--	--
18...	0205	.45	.36	.81	.27	1.8	50000	>2000	>500
18...	0510	.32	.37	.69	.25	--	--	--	--
18...	0840	.32	.68	1.0	.24	4.8	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

HATTIESBURG AREA.--Continued

DATE	TIME	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
02472980 - BOWIE RIVER AT HATTIESBURG, MISS. (LAT 31 20 58 LONG 089 18 18)									
OCT., 1973									
17...	1430	--	--	--	--	1.4	--	--	--
17...	1750	.33	.67	1.0	.15	1.1	25000	280	690
17...	2205	.14	.38	.52	.08	1.8	20000	460	240
18...	0230	.11	.48	.59	.12	--	15000	1000	--
18...	0520	.17	1.0	1.2	.15	--	40000	410	520
18...	0930	.11	.29	.40	.10	.8	--	--	--
18...	1345	.13	.20	.33	.14	--	--	--	--
02472995 - BOWIE RIVER TRIBUTARY AT HATTIESBURG, MISS. (LAT 31 20 37 LONG 089 17 46)									
OCT., 1973									
17...	0715	19	14	33	.49	41	--	>5000	--
17...	1055	12	3.0	15	.63	40	50000	>5000	280
17...	1430	26	.00	25	1.1	46	200000	>5000	>500
17...	1815	19	1.0	20	.95	--	--	--	--
17...	2250	32	8.0	40	1.0	28	150000	--	140
18...	0220	33	.00	33	.92	28	120000	>5000	130
18...	0605	38	3.0	41	.98	30	--	--	--
02472999 - BOWIE RIVER AT MOUTH AT HATTIESBURG, MISS. (LAT 31 20 38 LONG 089 16 50)									
OCT., 1973									
17...	0940	.48	.62	1.1	.19	3.9	21000	>5000	220
17...	1130	.34	.41	.75	.34	6.3	27000	>5000	240
17...	1510	.57	.39	.96	.35	6.3	45000	>5000	180
17...	1805	.55	.85	1.4	.38	7.1	30000	>5000	240
17...	2340	.60	.24	.84	.20	4.4	--	--	--
18...	0310	.63	.37	1.0	.23	3.8	100000	>5000	220
18...	0650	.73	.47	1.2	.24	2.9	--	--	--
02473050 - GORDONS CREEK AT PINE STREET AT HATTIESBURG, MS. (LAT 31 19 30 LONG 089 17 30)									
OCT., 1973									
17...	0900	.29	.65	.94	.29	3.7	>50000	>14000	>500
17...	1245	.35	.62	.97	.18	3.7	>50000	>14000	>500
17...	1315	.38	.62	1.0	.22	3.6	--	--	--
17...	1910	.39	.11	.50	.23	4.1	>50000	>14000	>500
17...	2350	.66	.44	1.1	.23	3.0	--	--	--
18...	0325	1.1	.40	1.5	.37	--	>50000	>14000	>500
18...	0700	1.3	.50	1.8	.76	3.3	--	--	--
02473080 - LEAF RIVER AT RIVER AVENUE AT HATTIESBURG, MISS. (LAT 31 19 36 LONG 089 16 02)									
OCT., 1973									
17...	1000	.27	.35	.62	.10	2.3	300	>14000	390
17...	1330	.17	.36	.53	.19	2.8	--	--	--
17...	1610	.32	.88	1.2	.19	10	180000	>14000	460
17...	1955	.34	.56	.90	.22	5.0	40000	>14000	--
18...	0045	.30	1.5	1.8	.15	3.5	80000	>14000	200
18...	0400	.35	.36	.71	.12	2.1	--	--	--
18...	0740	.39	.46	.85	.14	2.0	--	--	--
02473120 - HURKETTS CREEK AT HATTIESBURG, MISS. (LAT 31 18 26 LONG 089 16 44)									
OCT., 1973									
17...	0925	.08	.28	.36	.17	1.7	25000	480	1120
17...	1305	.08	.27	.35	.11	1.4	--	--	--
17...	1550	.10	.31	.41	.19	1.6	15000	1400	1320
17...	1935	.09	.32	.41	.17	2.8	70000	270	1100
18...	0005	.17	.33	.50	.17	3.6	--	--	--
18...	0340	.11	.39	.50	.24	3.0	80000	>5000	700
18...	0720	.11	.40	.51	.26	--	--	--	--
02473260 - LEAF RIVER NEAR PALMER, MISS. (LAT 31 15 40 LONG 089 13 35)									
OCT., 1973									
17...	0715	.27	.54	.81	.19	2.5	100000	85000	340
17...	1050	.28	.45	.73	.13	2.5	--	--	--
17...	1425	.29	.49	.78	.23	2.9	55000	85000	180
17...	2000	.20	.90	1.1	.23	1.8	--	--	--
18...	0030	.29	.19	.48	.21	1.8	180000	85000	140
18...	0330	.23	.03	.26	.20	2.1	--	--	--
18...	0645	.30	.70	1.0	.21	1.9	58000	85000	80
02473300 - LEAF R. NR. MAMNEU, MISS. (LAT 31 13 35 LONG 089 05 15)									
OCT., 1973									
17...	0850	.29	.44	.73	.18	1.9	150000	1200	260
17...	1210	.38	.43	.81	.26	3.6	150000	>5000	360
17...	1655	.30	.39	.69	.23	2.8	250000	>5000	130
17...	2150	.20	.44	.64	.12	1.7	--	--	--
18...	0135	.23	.73	.96	.16	--	150000	9600	140
18...	0440	.20	.02	.22	.15	1.1	--	--	--
18...	0910	.20	.53	.73	.22	1.2	60000	5000	140

GULFPORT AREA

An intensive study of the quality of surface waters in the Gulfport area was conducted June 18-20, 1974. Samples were obtained at high and low tides at 21 sites on Bayou Bernard, Brickyard Bayou, and their tributaries. Listed below are site locations and results of laboratory analyses and field determinations of water quality during the study.

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02481198 - BAYOU BERNARD AT LANDON, MISS. (LAT 30 26 24 LONG 089 05 59.01)							
JUNE, 1974							
18...	1200	--	1.4	70	6.1	25.5	4.4
18...	2015	--	--	36	5.2	22.0	8.0
02481207 - FLAT BRANCH AT LANDON, MISS. (LAT 30 26 25 LONG 089 05 46.01)							
JUNE, 1974							
18...	0930	--	1.8	160	7.0	27.0	9.0
19...	2030	--	--	40	5.5	22.0	7.7
02481209 - BAYOU BERNARD SE OF LANDON, MISS. (LAT 30 26 03 LONG 089 05 32.01)							
JUNE, 1974							
19...	1050	--	E.00	180	6.5	27.5	8.3
19...	1051	1.0	--	170	--	27.5	8.3
19...	1052	5.0	--	120	--	26.5	5.1
02481212 - BAYOU BERNARD N OF GULFPORT, MISS. (LAT 30 25 46 LONG 089 04 36.01)							
JUNE, 1974							
18...	1040	--	E.00	340	6.5	29.0	6.5
18...	1041	1.0	--	340	--	29.0	6.5
18...	1042	5.0	--	340	--	29.0	5.9
18...	1043	10	--	260	--	28.0	2.9
18...	1044	13	--	220	--	27.0	2.0
18...	2131	--	--	55	5.0	23.0	6.9
18...	2133	5.0	--	50	--	23.0	6.9
18...	2134	9.0	--	56	--	23.0	6.3
02481250 - TURKEY CREEK NEAR GULFPORT, MISS. (LAT 30 24 43 LONG 089 05 41.01)							
JUNE, 1974							
18...	1115	--	1.1	240	7.2	26.5	8.5
18...	2115	--	--	130	6.4	24.0	6.0
02481252 - TURKEY CREEK AT CREOSOTE RD NEAR GULFPORT, MISS. (LAT 30 25 27 LONG 089 04 14.01)							
JUNE, 1974							
18...	1130	--	--	350	6.8	28.0	5.6
18...	2045	--	E200	130	6.9	25.5	7.4
02481253 - BAYOU BERNARD NE OF GULFPORT, MISS. (LAT 30 25 30 LONG 089 03 44.01)							
JUNE, 1974							
18...	1030	--	E.00	550	6.6	29.0	5.7
18...	1031	1.0	--	525	--	29.0	5.7
18...	1032	5.0	--	475	--	29.0	5.4
18...	1033	10	--	400	--	29.0	4.8
18...	1034	15	--	325	--	28.0	1.8
18...	1035	19	--	325	--	28.0	.4
18...	2120	--	E500	320	6.6	28.0	5.1
18...	2121	1.0	--	300	--	28.0	5.1
18...	2122	5.0	--	300	--	28.0	5.3
18...	2123	10	--	290	--	28.0	5.3
18...	2124	15	--	240	--	27.0	5.1
02481254 - BAYOU BERNARD SHIP CHANNEL SE OF LANDON, MISS. (LAT 30 25 35 LONG 089 02 57.01)							
JUNE, 1974							
18...	1025	--	E300	900	6.6	32.0	5.5
18...	1026	1.0	--	1350	--	32.0	5.5
18...	1027	5.0	--	650	--	30.0	4.6
18...	1028	10	--	380	--	29.0	3.3
18...	1029	15	--	360	--	28.0	2.0
18...	2115	--	--	450	6.6	28.5	4.7
18...	2116	1.0	--	450	--	28.5	4.7
18...	2117	5.0	--	450	--	28.0	4.6
18...	2118	10	--	425	--	28.0	4.4
18...	2119	14	--	400	--	28.0	4.2

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

GULFPORT AREA.--Continued

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02481255 - BAYOU BERNARD SHIP CHANNEL NE OF GULFPORT, MISS. (LAT 30 25 34 LONG 089 02 19.01)							
JUNE, 1974							
18...	1020	--	E200	900	6.6	32.0	5.9
18...	1021	1.0	--	1300	--	32.0	5.9
18...	1022	5.0	--	1000	--	31.0	5.1
18...	1023	10	--	625	--	30.0	4.4
18...	1024	15	--	400	--	29.0	2.3
18...	2110	--	E1200	425	6.5	28.0	4.0
18...	2111	1.0	--	450	--	28.0	4.0
18...	2112	5.0	--	450	--	28.0	4.1
18...	2113	10	--	450	--	28.0	4.1
18...	2114	14	--	400	--	28.0	4.0
02481256 - BAYOU BERNARD SHIP CHANNEL NEAR LORAINE, MISS. (LAT 30 25 19 LONG 089 01 23.01)							
JUNE, 1974							
18...	1010	--	E.00	900	6.7	32.0	6.0
18...	1011	1.0	--	1300	--	32.0	6.0
18...	1012	5.0	--	1250	--	32.0	5.8
18...	1013	10	--	1400	--	31.0	5.6
18...	1014	14	--	1700	--	31.0	5.6
18...	2105	--	E1300	450	6.4	28.0	4.7
18...	2106	1.0	--	450	--	28.0	4.7
18...	2107	5.0	--	450	--	28.0	4.7
18...	2108	10	--	450	--	28.0	4.7
02481257 - BAYOU BERNARD SHIP CHANNEL SE OF LORAINE, MISS. (LAT 30 25 05 LONG 089 00 28.01)							
JUNE, 1974							
18...	1005	--	E.00	1100	6.7	33.0	6.0
18...	1006	1.0	--	1650	--	33.0	6.0
18...	1007	5.0	--	1700	--	32.0	5.8
18...	1008	10	--	2000	--	30.0	5.9
18...	1009	14	--	2000	--	30.0	5.9
18...	2055	--	E1400	500	6.4	28.5	4.6
18...	2056	1.0	--	550	--	28.5	4.6
18...	2057	5.0	--	550	--	28.5	4.7
18...	2058	10	--	550	--	28.5	4.7
02481258 - BAYOU BERNARD (OLD CHANNEL) SE OF LANDON, MISS. (LAT 30 25 28 LONG 089 02 52.01)							
JUNE, 1974							
18...	0950	--	E-70	700	6.8	30.0	5.1
18...	0951	1.0	--	750	--	30.0	6.5
18...	0952	5.0	--	700	--	30.0	6.1
18...	2040	--	E600	425	6.5	28.0	2.8
18...	2041	1.0	--	400	--	28.0	.0
18...	2042	5.0	--	400	--	28.0	2.8
18...	2043	10	--	400	--	28.0	2.8
02481259 - BAYOU BERNARD (OLD CHANNEL) NE OF GULFPORT, MISS (LAT 30 25 11 LONG 089 02 28.01)							
JUNE, 1974							
18...	0940	--	E-100	--	--	29.0	--
18...	0941	1.0	--	750	--	29.0	5.1
18...	0942	5.0	--	750	--	29.0	4.9
18...	0943	10	--	700	--	29.0	4.4
18...	0944	14	--	650	--	28.5	1.3
18...	2030	--	E650	500	6.6	28.0	3.3
18...	2031	1.0	--	600	--	28.0	3.3
18...	2032	5.0	--	600	--	28.0	3.1
18...	2033	1.0	--	600	--	28.0	2.1
02481260 - BAYOU BERNARD (OLD CHANNEL) NEAR HANDSBORO, MISS (LAT 30 24 40 LONG 089 02 21.01)							
JUNE, 1974							
18...	0935	--	E-200	760	6.8	29.0	4.5
18...	0936	1.0	--	1050	--	29.0	4.5
18...	0937	5.0	--	1050	--	29.0	4.5
18...	0938	10	--	1050	--	29.0	4.4
18...	2020	--	E700	700	6.8	28.5	4.1
18...	2021	1.0	--	775	--	28.5	4.1
18...	2022	5.0	--	750	--	28.5	4.1
18...	2023	10	--	750	--	28.5	4.1

GULFPORT AREA.--Continued

DATE	TIME	DEPTH (FT)	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
02481262 - BRICKYARD BAYOU AT GULFPORT, MISS. (LAT 30 22 56 LONG 089 05 30.01)							
JUNE, 1974							
18...	1100	--	1.1	360	6.7	26.5	.3
18...	2130	--	--	118	6.8	24.0	6.0
02481263 - BRICKYARD BAYOU NE OF GULFPORT, MISS. (LAT 30 23 20 LONG 089 04 10.01)							
JUNE, 1974							
18...	1045	--	--	350	7.2	28.0	.7
18...	2145	--	--	155	7.0	24.0	4.4
02481264 - BRICKYARD BAYOU NEAR MISSISSIPPI CITY, MISS. (LAT 30 23 56 LONG 089 03 08.01)							
JUNE, 1974							
18...	1030	--	--	600	7.2	28.5	2.1
18...	2200	--	E50	240	6.9	25.0	.4
02481265 - BRICKYARD BAYOU AT MISSISSIPPI CITY, MISS. (LAT 30 24 11 LONG 089 02 13.01)							
JUNE, 1974							
18...	1015	--	--	850	6.8	28.0	5.4
18...	2215	--	E100	425	7.2	27.0	2.2
02481266 - BAYOU BERNARD (OLD CHANNEL) AT HANDSBORO, MISS. (LAT 30 24 18 LONG 089 01 50.01)							
JUNE, 1974							
18...	0930	--	E-200	900	6.7	30.0	5.4
18...	0931	1.0	--	1250	--	30.0	5.4
18...	0932	5.0	--	1250	--	30.0	5.3
18...	0933	10	--	1250	--	30.0	5.2
18...	2015	--	E850	720	6.8	29.0	4.6
18...	2016	1.0	--	975	--	29.0	4.6
18...	2017	5.0	--	975	--	29.0	4.7
02481267 - BAYOU BERNARD (OLD CHANNEL) E OF HANDSBORO, MISS (LAT 30 24 34 LONG 089 01 03.01)							
JUNE, 1974							
18...	0920	--	E-250	1200	6.6	31.0	5.8
18...	0921	1.0	--	1800	--	31.0	5.8
18...	0922	5.0	--	1800	--	31.0	5.7
18...	0923	10	--	2000	--	31.0	5.6
18...	0924	15	--	2000	--	31.0	5.6
18...	2010	--	E900	800	6.8	29.0	5.3
18...	2011	1.0	--	1200	--	29.0	5.3
18...	2012	5.0	--	1200	--	29.0	5.1
18...	2013	10	--	1200	--	29.0	5.1
18...	2014	14	--	1200	--	29.0	5.1
02481268 - BAYOU BERNARD (OLD CHANNEL) NEAR DE BUYS (LAT 30 24 54 LONG 089 00 14.01)							
JUNE, 1974							
18...	0910	--	E-250	1100	6.6	33.0	6.0
18...	0911	1.0	--	1600	--	33.0	6.0
18...	0912	5.0	--	2200	--	30.5	5.9
18...	0913	10	--	2500	--	30.0	6.0
18...	0914	15	--	2800	--	30.0	6.0
18...	2000	--	E900	920	6.7	29.0	5.3
18...	2001	1.0	--	1300	--	29.0	5.3
18...	2002	5.0	--	1300	--	29.0	5.4
18...	2003	10	--	1300	--	29.0	5.4
18...	2004	15	--	1300	--	29.0	5.4

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

GULFPORT AREA.--Continued

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
02481198 - BAYOU BERNARD AT LANDON, MISS. (LAT 30 26 24 LONG 089 05 59.01)										
JUNE, 1974										
18...	1200	.04	.09	.58	.67	.71	3.1	.04	.04	.8
18...	2015	.28	.08	1.1	1.2	1.5	6.6	.02	.04	4.0
02481207 - FLAT BRANCH AT LANDON, MISS. (LAT 30 26 25 LONG 089 05 46.01)										
JUNE, 1974										
18...	0930	.04	.12	3.9	4.0	4.0	18	2.7	2.7	8.5
18...	2030	.23	.09	1.0	1.1	1.3	5.9	.05	.08	4.2
02481209 - BAYOU BERNARD SE OF LANDON, MISS. (LAT 30 26 03 LONG 089 05 32.01)										
JUNE, 1974										
18...	1050	.00	.09	1.0	1.1	1.1	4.9	.34	.30	6.3
02481212 - BAYOU BERNARD N OF GULFPORT, MISS. (LAT 30 25 46 LONG 089 04 36.01)										
JUNE, 1974										
18...	1040	.17	.53	.87	1.4	1.6	7.0	.32	.28	5.5
18...	2131	.30	.10	.86	.96	1.3	5.6	.19	.08	5.6
02481250 - TURKEY CREEK NEAR GULFPORT, MISS. (LAT 30 24 43 LONG 089 05 41.01)										
JUNE, 1974										
18...	1115	.00	.24	3.0	3.2	3.2	14	1.4	1.2	7.9
18...	2115	.39	.34	1.8	2.1	2.5	11	.55	.53	5.6
02481252 - TURKEY CREEK AT CREOSOTE RD NEAR GULFPORT, MISS. (LAT 30 25 27 LONG 089 04 14.01)										
JUNE, 1974										
18...	1130	.22	.56	1.2	1.8	2.0	8.9	.43	.37	5.1
18...	2045	.08	.10	2.2	2.3	2.4	11	.72	.65	6.6
02481253 - BAYOU BERNARD NE OF GULFPORT, MISS. (LAT 30 25 30 LONG 089 03 44.01)										
JUNE, 1974										
18...	1030	.47	.44	.66	1.1	1.6	7.0	.23	.20	4.5
18...	2120	.15	.33	.77	1.1	1.3	5.5	.26	.25	2.0
02481254 - BAYOU BERNARD SHIP CHANNEL SE OF LANDON, MISS. (LAT 30 25 35 LONG 089 02 57.01)										
JUNE, 1974										
18...	1025	.02	.15	.55	.70	.72	3.2	.07	.06	2.8
18...	2115	.17	.53	.57	1.1	1.3	5.6	.28	.29	2.9
02481255 - BAYOU BERNARD SHIP CHANNEL NE OF GULFPORT, MISS. (LAT 30 25 34 LONG 089 02 19.01)										
JUNE, 1974										
18...	1020	.01	.13	.44	.57	.58	2.6	.06	.04	3.2
18...	2110	.17	.60	.50	1.1	1.3	5.6	.32	.29	2.7
02481256 - BAYOU BERNARD SHIP CHANNEL NEAR LORAINE, MISS. (LAT 30 25 19 LONG 089 01 23.01)										
JUNE, 1974										
18...	1010	.01	.03	.56	.59	.60	2.7	.03	.02	2.5
18...	2105	.17	.51	.49	1.0	1.2	5.2	.23	.22	--
02481257 - BAYOU BERNARD SHIP CHANNEL SE OF LORAINE, MISS. (LAT 30 25 05 LONG 089 00 28.01)										
JUNE, 1974										
18...	1005	.00	.01	.02	.03	.03	.13	.03	.02	--
18...	2055	.15	.45	.55	1.0	1.2	5.1	.20	.21	--
02481258 - BAYOU BERNARD (OLD CHANNEL) SE OF LANDON, MISS. (LAT 30 25 28 LONG 089 02 52.01)										
JUNE, 1974										
18...	0950	.03	.26	.63	.89	.92	4.1	.11	.09	4.1
18...	2040	.12	.86	.64	1.5	1.6	7.2	.33	.33	2.4

GULFPORT AREA.--Continued

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
02481259 - BAYOU BERNARD (OLD CHANNEL) NE OF GULFPORT, MISS (LAT 30 25 11 LONG 089 02 28.01)										
JUNE, 1974										
18...	0940	.00	.13	.68	.81	.81	3.6	.10	.09	3.4
18...	2030	.01	.25	.58	.83	.84	3.7	.11	.10	2.0
02481260 - BAYOU BERNARD (OLD CHANNEL) NEAR HANDSBORO, MISS (LAT 30 24 40 LONG 089 02 21.01)										
JUNE, 1974										
18...	0935	.00	.14	.57	.71	.71	3.1	.09	.08	3.0
18...	2020	.00	.19	.60	.79	.79	3.5	.11	.10	2.6
02481262 - BRICKYARD BAYOU AT GULFPORT, MISS. (LAT 30 22 56 LONG 089 05 30.01)										
JUNE, 1974										
18...	1100	.00	.87	3.3	4.2	4.2	19	.96	.66	29
18...	2130	5.5	.23	.87	1.1	6.6	29	.18	.14	5.4
02481263 - BRICKYARD BAYOU NE OF GULFPORT, MISS. (LAT 30 23 20 LONG 089 04 10.01)										
JUNE, 1974										
18...	1045	.02	.72	.98	1.7	1.7	7.6	.41	.36	7.8
18...	2145	.43	.55	1.4	1.9	2.3	10	.18	.16	--
02481264 - BRICKYARD BAYOU NEAR MISSISSIPPI CITY, MISS. (LAT 30 23 56 LONG 089 03 08.01)										
JUNE, 1974										
18...	1030	.03	.64	1.1	1.7	1.7	7.7	.33	.30	7.8
18...	2200	.17	1.0	1.8	2.8	3.0	13	.45	.32	19
02481265 - BRICKYARD BAYOU AT MISSISSIPPI CITY, MISS. (LAT 30 24 11 LONG 089 02 13.01)										
JUNE, 1974										
18...	1015	.01	.07	.93	1.0	1.0	4.5	.08	.04	2.9
18...	2215	.08	.59	.91	1.5	1.6	7.0	.32	.27	7.2
02481266 - BAYOU BERNARD (OLD CHANNEL) AT HANDSBORO, MISS. (LAT 30 24 18 LONG 089 01 50.01)										
JUNE, 1974										
18...	0930	.01	.05	.63	.68	.69	3.1	.06	.05	3.1
18...	2015	.01	.18	.46	.64	.65	2.9	.12	.10	3.6
02481267 - BAYOU BERNARD (OLD CHANNEL) E OF HANDSBORO, MISS (LAT 30 24 34 LONG 089 01 03.01)										
JUNE, 1974										
18...	0920	15	.01	.54	.55	16	69	.03	.02	2.6
18...	2010	.01	.10	.54	.64	.65	2.9	.07	.06	3.0
02481268 - BAYOU BERNARD (OLD CHANNEL) NEAR DE BUYS (LAT 30 24 54 LONG 089 00 14.01)										
JUNE, 1974										
18...	0910	.01	.00	.53	.53	.54	2.4	.02	.02	2.9
18...	2000	.01	.09	.59	.68	.69	3.1	.06	.05	2.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

GREENWOOD AREA

An intensive study of the quality of surface waters in the Greenwood area was conducted May 13-17, 1974. Samples were obtained at 16 sites on the Yazoo River and its tributaries. Listed below are site locations and results of laboratory analyses and field determinations of water quality during the study.

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
07241610 - TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD, MS (LAT 33 31 58 LONG 090 14 17)									
MAY , 1974									
14...	0815	7760	84	6.7	21.0	6.5	--	--	--
14...	1025	7760	85	7.0	21.5	6.3	--	--	--
14...	1315	7750	85	6.9	22.2	6.5	--	--	--
14...	1550	7740	80	6.8	22.6	6.4	--	--	--
14...	1915	7720	80	6.9	22.2	7.2	--	--	--
15...	0650	7520	86	6.9	22.2	7.1	830	180	540
15...	0940	7480	81	6.7	22.2	7.0	--	--	--
15...	1310	7420	85	7.0	22.2	6.5	1100	240	390
15...	1550	7410	70	6.9	22.2	6.0	--	--	--
15...	1940	7420	80	6.7	22.2	6.5	1000	2800	120
15...	2115	7550	85	7.3	22.1	6.0	--	--	--
16...	0035	7840	80	6.7	22.2	6.5	--	--	--
16...	0420	8360	83	6.9	22.2	7.0	--	--	--
16...	0620	8860	80	6.8	23.0	6.5	--	--	--
16...	0935	9420	80	6.9	22.0	6.5	--	--	--
16...	1205	9680	80	7.0	22.1	6.3	--	--	--
16...	1615	9940	80	6.6	22.0	6.7	--	--	--
07281615 - TALLAHATCHIE RIVER AT GREENWOOD, MISS. (LAT 33 32 22 LONG 090 11 37)									
MAY , 1974									
14...	0800	470	78	6.9	21.0	5.6	--	--	--
14...	1005	470	74	6.9	22.0	5.9	--	--	--
14...	1250	470	72	6.9	22.5	5.4	--	--	--
14...	1610	470	76	6.9	23.5	5.8	--	--	--
14...	1930	470	75	6.9	22.5	6.0	--	--	--
15...	1010	520	72	7.0	22.0	6.6	60	210	220
15...	1045	520	80	6.8	23.0	6.5	--	--	--
15...	1330	520	80	6.5	22.0	6.0	350	230	420
15...	1625	530	95	6.9	22.5	6.3	--	--	--
15...	1825	530	85	6.9	22.5	6.6	250	97	320
15...	2115	510	78	6.9	22.0	6.5	--	--	--
16...	0140	430	77	6.8	22.0	5.8	3500	B3300	800
16...	0445	310	80	6.8	21.0	5.2	--	--	--
16...	0500	300	82	6.8	21.0	5.0	--	--	--
16...	0945	120	80	6.8	22.0	5.7	--	--	--
16...	1305	30	78	6.9	24.0	5.9	--	--	--
16...	1635	-40	78	6.7	23.0	5.6	--	--	--
07241618 - TALLAHATCHIE R AB YALOBUSHA R AT GREENWOOD, MISS (LAT 33 33 03 LONG 090 10 55)									
MAY , 1974									
14...	0755	470	78	7.0	21.5	5.4	--	--	--
14...	0955	470	80	6.9	22.0	5.8	--	--	--
14...	1240	470	78	7.0	23.0	5.9	--	--	--
14...	1605	470	80	6.9	24.0	6.1	--	--	--
14...	1815	470	80	6.9	23.5	5.8	--	--	--
15...	0955	520	72	7.0	23.0	6.6	1500	430	190
15...	1030	520	70	6.9	23.0	6.6	--	--	--
15...	1315	520	80	7.1	22.0	6.0	430	250	940
15...	1620	530	80	7.0	22.5	6.7	--	--	--
15...	1810	530	75	7.1	22.0	6.2	3500	500	57
15...	2105	510	79	6.8	22.0	6.7	--	--	--
16...	0120	450	54	6.7	21.0	5.2	--	--	--
16...	0440	310	78	6.8	19.0	5.6	--	--	--
16...	0515	290	76	6.7	20.0	5.5	--	--	--
16...	0935	130	65	6.6	20.0	6.0	--	--	--
16...	1255	40	75	6.8	23.0	5.9	--	--	--
16...	1625	-40	74	6.7	23.5	5.9	--	--	--
07246400 - YALOBUSHA R AB BIG SAND C NR GREENWOOD, MISS. (LAT 33 33 43 LONG 090 10 04)									
MAY , 1974									
14...	0745	1340	80	7.1	22.5	7.0	--	--	--
14...	0950	1340	80	7.0	23.0	7.1	--	--	--
14...	1235	1330	78	7.0	23.0	7.1	--	--	--
14...	1600	1320	80	7.0	23.0	7.4	--	--	--
14...	1810	1300	78	7.1	23.5	7.4	--	--	--
15...	0940	1070	75	7.1	23.5	7.5	B3300	1300	160
15...	1020	1040	85	7.1	24.0	6.8	--	--	--
15...	1305	990	78	7.1	23.0	6.9	B3300	1500	280
15...	1610	980	85	7.1	22.5	6.9	--	--	--
15...	1805	990	75	7.1	22.5	7.2	B3300	1400	150
15...	2055	1050	75	6.9	21.0	6.5	--	--	--
16...	0925	3120	38	6.4	19.0	6.9	--	--	--
16...	1245	3490	42	6.5	20.0	6.2	--	--	--
16...	1615	3790	46	6.5	20.0	6.2	--	--	--

GREENWOOD AREA.--Continued

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
07286955 - BIG SAND CREEK AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 40 LONG 090 10 02)									
MAY , 1974									
14...	0735	59	85	7.3	20.0	8.5	--	--	--
14...	0945	59	90	7.3	21.0	8.7	--	--	--
14...	1225	58	88	7.4	26.0	8.0	--	--	--
14...	1550	58	86	7.4	30.0	7.6	--	--	--
14...	1805	57	88	7.3	28.0	7.4	--	--	--
15...	0945	46	115	7.1	23.0	7.7	67	310	260
15...	1010	46	105	7.0	23.0	7.5	--	--	--
15...	1300	43	83	7.1	22.0	8.0	1300	470	780
15...	1605	43	88	7.5	23.0	8.6	--	--	--
15...	1900	44	80	7.2	23.0	8.3	6800	450	1200
15...	2035	48	75	7.2	22.0	8.1	--	--	--
16...	0920	138	85	7.2	--	8.1	--	--	--
16...	1240	155	85	7.3	26.5	8.3	--	--	--
16...	1610	16	85	7.4	29.5	7.7	--	--	--
07286965 - YALOBUSHA RIVER AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 12 LONG 090 10 51)									
MAY , 1974									
14...	0730	1400	75	6.9	23.0	7.2	--	--	--
14...	0935	1400	80	7.0	23.0	7.2	--	--	--
14...	1220	1390	84	7.0	23.0	7.2	--	--	--
14...	1540	1380	82	7.0	24.0	7.5	--	--	--
14...	1800	1360	80	7.1	24.0	7.6	--	--	--
15...	0745	1120	74	6.9	23.0	6.2	B3300	700	250
15...	1000	1090	78	7.0	24.0	7.0	--	--	--
15...	1245	1030	75	7.2	23.0	7.2	B3300	310	160
15...	1555	1020	85	7.2	22.5	7.1	--	--	--
15...	1755	1030	75	7.0	22.5	7.2	B10000	1200	170
15...	2025	1100	78	6.8	22.0	7.1	--	--	--
16...	0010	1430	45	6.5	19.0	5.9	--	--	--
16...	0430	2080	42	6.5	19.0	6.2	--	--	--
16...	0520	2340	45	6.5	19.0	6.2	--	--	--
16...	0910	3260	40	6.4	19.0	6.4	--	--	--
16...	1230	3650	42	6.5	20.0	6.3	--	--	--
16...	1605	3960	46	6.4	20.5	6.3	--	--	--
07286975 - YAZOO R TR AB GRENADA JCT NW GREENWOOD, MISS. (LAT 33 32 40 LONG 090 10 03)									
MAY , 1974									
14...	0720	--	600	9.8	38.0	4.4	--	--	--
14...	0930	--	550	9.1	34.0	5.0	--	--	--
14...	1210	--	500	8.5	35.0	4.3	--	--	--
14...	1530	--	450	8.6	32.0	5.0	--	--	--
14...	1750	--	450	9.3	30.5	5.7	--	--	--
15...	0730	--	210	7.6	27.0	5.9	B3300	1800	1100
15...	0950	--	300	7.9	29.0	5.7	--	--	--
15...	1235	--	300	8.3	33.0	5.8	B3300	B3300	B10000
15...	1550	--	500	8.7	31.0	5.5	--	--	--
15...	1745	--	350	8.5	31.0	6.1	B10000	2500	340
15...	2015	--	250	8.5	29.0	6.2	--	--	--
16...	0055	--	64	6.7	20.0	5.1	--	--	--
16...	0420	--	115	7.2	19.0	5.2	--	--	--
16...	0530	--	47	6.5	19.0	5.8	--	--	--
16...	0900	--	325	8.4	21.0	5.5	--	--	--
16...	1225	--	275	7.3	20.5	5.6	--	--	--
16...	1550	--	340	8.7	32.0	5.3	--	--	--
07286985 - YAZOO R BL GRENADA JCT NR GREENWOOD, MISS. (LAT 33 31 38 LONG 090 10 23)									
MAY , 1974									
14...	0715	1880	450	7.6	22.0	5.5	--	--	--
14...	0915	1870	500	7.6	22.0	7.4	--	--	--
14...	1205	1850	350	7.6	23.0	6.9	--	--	--
14...	1525	1830	500	7.7	24.0	6.7	--	--	--
14...	1740	1810	550	7.7	24.0	6.6	--	--	--
15...	0720	1650	74	6.9	23.0	6.8	26000	5200	320
15...	0945	1610	190	7.4	23.0	6.2	--	--	--
15...	1220	1560	540	8.0	23.0	6.8	B100000	B100000	B10000
15...	1540	1550	600	7.9	23.0	5.3	--	--	--
15...	1730	1570	110	7.0	23.0	4.2	78000	16000	1100
15...	2010	1650	130	6.9	22.0	5.6	--	--	--
16...	0040	1960	76	6.7	21.0	5.0	--	--	--
16...	0350	2420	49	6.4	19.0	5.6	--	--	--
16...	0550	2770	46	6.5	19.0	5.9	--	--	--
16...	0850	3300	52	6.5	19.0	5.7	--	--	--
16...	1210	3720	46	6.4	20.0	5.7	--	--	--
16...	1540	3900	57	6.5	21.5	5.9	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

GREENWOOD AREA.--Continued

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
07287002 - YAZOO RIVER AT US49 BYPASS N. GREENWOOD, MISS. (LAT 33 31 08 LONG 090 12 12)									
MAY , 1974									
14...	0700	1880	58	7.0	22.8	7.0	--	--	--
14...	0955	1870	50	6.9	23.1	6.9	--	--	--
14...	1315	1850	54	7.0	24.0	6.4	--	--	--
14...	1635	1830	54	7.1	24.5	6.7	--	--	--
14...	1850	1810	50	7.0	23.5	6.6	--	--	--
15...	0700	1850	65	7.0	23.0	6.0	16000	3300	580
15...	0930	1610	80	7.0	23.0	6.2	--	--	--
15...	1400	1550	84	7.5	23.0	6.1	29000	2800	800
15...	1645	1560	110	7.2	23.5	6.1	--	--	--
15...	1845	1670	88	7.0	23.0	6.3	43000	2700	540
15...	2145	1730	85	6.9	22.0	6.3	--	--	--
16...	0920	1910	6	6.8	22.0	6.1	--	--	--
16...	0340	2400	74	6.6	20.0	5.4	--	--	--
16...	0605	2850	52	6.4	20.0	5.4	--	--	--
16...	1015	3520	44	6.5	19.5	5.8	--	--	--
16...	1325	3790	42	6.4	20.0	6.0	--	--	--
16...	1700	3970	43	6.4	20.0	6.0	--	--	--
07287003 - EFFLUENT DRAIN AT ELEC PLANT AT GREENWOOD, MISS. (LAT 33 31 11 LONG 090 12 31)									
MAY , 1974									
14...	0720	8.9	550	7.1	28.3	7.7	--	--	--
14...	1010	17	550	7.2	28.9	7.5	--	--	--
14...	1320	13	580	7.2	27.0	6.9	--	--	--
14...	1640	13	500	7.1	28.0	7.0	--	--	--
14...	1905	13	500	7.2	27.5	7.0	--	--	--
15...	0645	7.8	310	7.2	24.0	6.4	83300	1400	700
15...	0920	13	400	7.2	23.0	6.3	--	--	--
15...	1405	15	500	7.3	26.5	7.2	3	<1	10
15...	1650	15	600	7.3	26.0	7.7	--	--	--
15...	1950	13	500	7.2	27.0	7.8	120	<1	17
15...	2155	13	500	7.1	26.0	7.8	--	--	--
16...	0005	8.9	120	6.8	25.0	6.9	--	--	--
16...	0330	8.9	320	7.1	24.0	5.7	--	--	--
16...	0630	8.9	500	7.1	20.0	5.2	--	--	--
16...	1025	13	500	7.0	28.5	6.3	--	--	--
16...	1335	15	420	7.0	30.0	5.8	--	--	--
16...	1710	15	480	7.0	31.0	5.4	--	--	--
07287005 - YAZOO R AB PEMBERTON CUT NR GREENWOOD, MISS. (LAT 33 31 38 LONG 090 14 10)									
MAY , 1974									
14...	0730	1890	90	7.0	23.0	7.0	--	--	--
14...	1020	1870	90	7.0	23.2	7.3	--	--	--
14...	1300	1850	95	7.2	24.6	6.9	--	--	--
14...	1540	1830	95	7.2	24.8	7.8	--	--	--
14...	1810	1810	90	7.2	24.1	7.8	--	--	--
15...	0640	1650	76	7.0	23.8	7.3	22000	1600	380
15...	0930	1610	90	7.0	23.6	7.5	--	--	--
15...	1245	1560	65	7.2	23.2	6.6	6100	1000	310
15...	1530	1550	83	7.1	23.4	6.6	--	--	--
15...	1830	1590	90	7.0	23.4	6.6	2900	2500	260
15...	2105	1700	95	7.1	23.5	6.7	--	--	--
16...	0025	1950	92	6.8	22.9	6.3	9000	4300	240
16...	0410	2500	85	6.8	22.3	6.7	--	--	--
16...	0605	2820	85	6.7	22.1	5.9	--	--	--
16...	0920	3400	54	6.5	19.9	5.4	--	--	--
16...	1155	3880	50	6.5	20.0	6.4	--	--	--
16...	1610	3940	48	6.5	21.0	7.0	--	--	--
07287010 - YAZOO RIVER AT FORT LURING, MISS. (LAT 33 30 12 LONG 090 15 02)									
MAY , 1974									
14...	0745	9300	80	6.9	21.8	6.9	--	--	--
14...	1030	9280	82	6.9	22.0	7.0	--	--	--
14...	1325	9260	85	6.9	22.7	6.6	--	--	--
14...	1600	9240	85	6.9	22.8	6.4	--	--	--
14...	1925	9200	78	7.0	22.6	7.2	--	--	--
15...	0705	8800	72	7.0	22.7	7.1	4300	590	620
15...	0945	8690	80	6.9	22.7	6.6	--	--	--
15...	1325	8560	58	7.7	22.5	6.5	1900	480	270
15...	1605	8550	72	7.3	22.8	6.6	--	--	--
15...	1850	8680	80	6.9	22.6	6.6	200	150	52
15...	2135	8960	84	7.0	22.6	6.6	--	--	--
16...	0100	9660	85	6.9	22.4	6.4	--	--	--
16...	0434	10700	95	6.9	22.7	6.7	--	--	--
16...	0635	11500	85	6.8	22.5	6.4	--	--	--
16...	0945	12700	72	6.8	21.3	6.0	--	--	--
16...	1215	13200	68	6.7	22.0	6.2	--	--	--
16...	1625	13700	60	6.6	22.0	6.8	--	--	--

GREENWOOD AREA.--Continued

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
07247020 - YAZOO R AT WALKER LK PUMP PLANT NR GREENWOOD, MS (LAT 33 29 06 LONG 090 13 44)									
MAY - 1974									
14...	1050	9400	82	6.9	22.0	6.9	--	--	--
14...	1340	9380	84	7.0	22.7	6.7	--	--	--
14...	1415	9340	84	6.9	22.0	6.5	--	--	--
14...	1435	9310	84	7.0	22.7	7.2	--	--	--
15...	0720	8020	76	6.9	22.6	7.2	3500	830	520
15...	0955	8820	80	6.9	22.7	6.8	--	--	--
15...	1340	8700	85	7.3	22.5	6.6	2500	450	240
15...	1620	8700	82	7.3	22.6	6.7	--	--	--
15...	1900	8800	72	7.0	22.5	6.6	--	--	--
15...	2150	9160	70	7.0	22.2	6.6	--	--	--
16...	0120	9820	85	6.9	22.4	6.4	--	--	--
16...	0450	10900	82	6.9	22.3	6.5	--	--	--
16...	0450	11700	82	6.8	25.1	6.9	--	--	--
16...	0955	12600	75	6.8	21.8	6.1	--	--	--
16...	1225	13100	70	6.7	22.0	6.4	--	--	--
16...	1640	13500	66	6.7	22.0	6.7	--	--	--
07247030 - YAZOO RIVER AB PELUCIA CREEK NR GREENWOOD, MISS. (LAT 33 27 49 LONG 090 13 21)									
MAY - 1974									
14...	0820	9600	80	7.0	21.8	6.8	--	--	--
14...	1100	9690	84	6.9	22.1	7.0	--	--	--
14...	1350	9650	80	7.0	22.8	6.8	--	--	--
14...	1625	9665	84	6.9	22.9	6.6	--	--	--
14...	1945	9610	82	6.9	22.8	7.2	--	--	--
15...	0750	8800	76	6.9	23.2	7.2	4500	1100	700
15...	1004	8580	82	6.9	22.7	6.8	--	--	--
15...	1350	8600	70	7.1	22.5	6.5	3500	760	800
15...	1630	8860	74	7.1	22.7	6.8	--	--	--
15...	1910	8955	73	7.0	22.8	6.5	--	--	--
15...	2104	9120	67	7.0	22.4	6.7	--	--	--
15...	0139	9830	85	6.9	22.3	6.4	430	140	120
15...	0555	10550	82	6.9	22.6	6.5	--	--	--
15...	0710	11300	82	6.9	--	6.8	--	--	--
15...	1035	12500	74	6.8	22.0	6.1	--	--	--
15...	1235	13000	70	6.8	22.0	6.5	--	--	--
15...	1455	13450	70	6.7	22.0	6.5	--	--	--
07247105 - PELUCIA CREEK AT MOUTH NEAR RISING SUN, MISS. (LAT 33 27 48 LONG 090 13 16)									
MAY - 1974									
14...	0930	54	76	7.3	23.2	6.8	--	--	--
14...	1105	[illegible]	76	7.3	22.3	6.5	--	--	--
14...	1355	52	75	7.3	23.3	6.3	--	--	--
14...	1630	52	75	7.3	23.0	6.5	--	--	--
14...	1950	51	75	7.3	23.0	6.4	--	--	--
15...	0745	41	72	7.1	22.8	7.0	15000	1900	580
15...	1010	41	73	7.1	22.5	7.0	--	--	--
15...	1355	40	73	7.3	22.0	6.8	2200	1000	960
15...	1635	40	75	7.3	22.0	6.3	--	--	--
15...	1920	41	74	7.1	22.1	6.6	--	--	--
15...	2225	43	80	7.1	22.0	7.0	--	--	--
16...	0145	47	85	7.1	22.0	6.8	9500	1600	290
16...	0535	51	90	7.1	22.0	7.7	--	--	--
16...	0735	112	94	7.1	--	--	--	--	--
16...	1010	130	94	7.1	22.5	6.1	--	--	--
16...	1341	140	90	7.1	22.0	6.8	--	--	--
16...	1700	150	90	7.1	22.0	6.8	--	--	--
[illegible] - YAZOO RIVER AT HOLMESVILLE, MISS. (LAT [illegible] LONG [illegible])									
MAY - 1974									
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	--	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

GREENWOOD AREA.--Continued

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
07281610 - TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD, MS (LAT 33 31 58 LONG 090 14 17)										
MAY , 1974										
15...	0650	.81	.05	.86	.91	1.7	7.6	.11	.12	1.3
15...	1310	.80	.07	.59	.66	1.5	6.5	.27	.19	1.6
15...	1840	.76	.08	.70	.78	1.5	6.8	.29	.19	1.9
16...	0035	.73	.08	.72	.80	1.5	6.8	.31	.18	1.7
16...	0620	--	--	--	--	--	--	--	--	1.7
07281615 - TALLAHATCHIE RIVER AT GREENWOOD, MISS. (LAT 33 32 22 LONG 090 11 37)										
MAY , 1974										
15...	1010	.66	.12	.65	.77	1.4	6.3	.23	.13	2.8
15...	1330	.66	.07	.68	.75	1.4	6.2	.22	.20	1.6
15...	1825	.65	.17	.68	.85	1.5	6.6	.22	.16	3.6
16...	0140	.37	.12	.69	.81	1.2	5.2	.16	.13	1.6
16...	0500	--	--	--	--	--	--	--	--	1.4
07281618 - TALLAHATCHIE R AB YALOBUSHA R AT GREENWOOD, MISS (LAT 33 33 03 LONG 090 10 55)										
MAY , 1974										
15...	0955	.49	.08	.67	.72	1.2	5.4	.21	.07	1.9
15...	1315	.58	.08	.55	.63	1.2	5.4	.23	.17	1.6
15...	1810	.44	.11	.56	.67	1.1	4.9	.18	.15	1.9
16...	0120	.26	.54	.56	1.1	1.4	6.0	1.2	.11	3.9
16...	0515	--	--	--	--	--	--	--	--	3.1
07296400 - YALOBUSHA R AB BIG SAND C NR GREENWOOD, MISS. (LAT 33 33 43 LONG 090 10 04)										
MAY , 1974										
15...	0940	.22	.00	.83	.69	.91	4.0	.15	.09	1.8
15...	1305	.22	.00	.86	.74	.96	4.3	.15	.08	2.1
15...	1805	.23	.16	.58	.70	.93	4.1	.17	.08	2.5
07296955 - BIG SAND CREEK AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 48 LONG 090 10 02)										
MAY , 1974										
15...	0945	.08	.12	.44	.56	.64	2.8	.26	.02	4.3
15...	1300	.15	.06	.51	.57	.72	3.2	.19	.07	2.1
15...	1800	.16	.04	.44	.48	.64	2.8	.15	.05	2.3
07296500 - YALOBUSHA RIVER AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 12 LONG 090 10 51)										
MAY , 1974										
15...	0745	.22	.08	.45	.53	.75	3.3	.16	.02	2.5
15...	1245	.22	.10	.63	.73	.92	4.1	.15	.08	1.8
15...	1745	.23	.10	.56	.66	.89	3.9	.15	.09	2.2
16...	0210	.35	.19	2.2	2.4	2.8	17	1.5	.09	5.4
16...	0520	--	--	--	--	--	--	--	--	5.2
07296875 - YAZOO R BY MS GRENADA DIV NR GREENWOOD, MISS. (LAT 33 32 40 LONG 090 10 33)										
MAY , 1974										
15...	0730	.18	.00	2.3	2.3	2.5	15	2.7	2.0	16
15...	1230	.17	.05	2.2	2.3	10	44	13	10	7.5
15...	1730	.24	.15	2.3	2.4	2.7	12	2.4	2.4	12
16...	0200	.31	.06	2.2	2.3	2.5	11	.85	.58	5.5
16...	0510	--	--	--	--	--	--	--	--	5.5
[illegible] - YAZOO R AT MS GRENADA DIV NR GREENWOOD, MISS. (LAT 33 31 35 LONG 090 10 23)										
MAY , 1974										
15...	0700	.19	.07	2.3	2.4	2.6	15	2.3	2.0	14
15...	1200	.17	10	2.2	14	10	44	2.2	2.1	2.4
15...	1700	.31	.08	2.3	2.4	2.7	12	2.4	2.4	12
16...	0200	.31	.07	2.2	2.3	2.5	11	.85	.58	5.5
16...	0510	--	--	--	--	--	--	--	--	5.5

GREENWOOD AREA.--Continued

DATE	TIME	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
07287002 - YAZOO RIVER AT US49 BYPASS AT GREENWOOD, MISS. (LAT 33 31 08 LONG 090 12 12)										
MAY , 1974										
15...	0700	.32	.15	.53	.68	1.0	4.4	.20	.14	1.7
15...	1400	.30	.17	.59	.76	1.1	4.7	.20	.11	2.2
15...	1845	.29	.17	.59	.76	1.1	4.6	.19	.13	2.5
16...	0020	.24	.15	.59	.74	.98	4.3	.18	.10	2.2
16...	0605	--	--	--	--	--	--	--	--	3.8
07287003 - EFFLUENT DRAIN AT ELEC PLANT AT GREENWOOD, MISS. (LAT 33 31 11 LONG 090 12 31)										
MAY , 1974										
15...	0645	.26	.21	.54	.75	1.0	4.5	.28	.15	1.8
15...	1405	.01	.39	.10	.49	.50	2.2	.51	.33	.7
15...	1850	.01	.38	.08	.46	.47	2.1	.46	.14	5.8
16...	0305	.23	.19	.55	.74	.97	4.3	.20	.13	2.2
16...	0610	--	--	--	--	--	--	--	--	.8
07287005 - YAZOO R AW PEMBERTON CUT NW GREENWOOD, MISS. (LAT 33 31 38 LONG 090 14 10)										
MAY , 1974										
15...	0640	.31	.10	.74	.84	1.2	5.1	.23	.13	2.2
15...	1245	.31	.13	.53	.66	.97	4.3	.21	.12	1.9
15...	1830	.29	.13	.52	.65	.94	4.2	.20	.12	2.3
16...	0025	.29	.11	.42	.53	.82	3.6	.15	.12	2.1
16...	0605	--	--	--	--	--	--	--	--	2.0
07287010 - YAZOO RIVER AT FORT LUMING, MISS. (LAT 33 30 12 LONG 090 25 02)										
MAY , 1974										
15...	0705	.75	.09	.50	.59	1.3	5.9	.28	.19	1.5
15...	1325	.71	.08	.53	.59	1.3	5.8	.30	.18	2.1
15...	1840	.66	.08	.49	.58	1.2	5.5	.24	.18	1.8
16...	0150	.59	.10	.47	.57	1.2	5.1	.28	.17	2.0
16...	0635	--	--	--	--	--	--	--	--	1.9
07287020 - YAZOO R BD BALDER LO PUMP PLANT NW GREENWOOD, MS (LAT 33 29 08 LONG 090 13 46)										
MAY , 1974										
15...	0720	.73	.09	.56	.65	1.4	6.0	.31	.18	1.6
15...	1340	.65	.07	2.2	2.3	3.0	13	.27	.17	2.3
15...	1910	.58	.15	.85	.94	1.5	7.0	.32	.18	1.8
16...	0130	.55	.10	.56	.66	1.2	5.3	.30	.15	1.9
16...	0655	--	--	--	--	--	--	--	--	2.3
07287120 - YAZOO RIVER AW YELLOW CREEK NW GREENWOOD, MISS. (LAT 33 27 48 LONG 090 13 21)										
MAY , 1974										
15...	0745	.74	.15	.75	.85	1.6	7.0	.31	.18	1.7
15...	1405	.75	.15	.82	.92	1.7	7.6	.25	.15	1.7
15...	1920	.65	.15	.81	.96	1.6	6.6	.32	.19	1.4
16...	0230	.63	.15	.72	.85	1.5	6.6	.29	.18	2.3
16...	0710	--	--	--	--	--	--	--	--	1.7
07287130 - YELLOW CREEK AT MOUTH NEAR RIVERS NAME MISS. (LAT 33 27 48 LONG 090 13 18)										
MAY , 1974										
15...	0750	.08	.08	.45	.53	.61	2.7	.13	.08	2.3
15...	1350	.08	.08	.43	.45	.57	2.6	.13	.08	2.2
15...	1900	.05	.06	.43	.56	.61	2.7	.16	.08	2.2
16...	0140	.02	.06	.43	.57	.64	2.8	.19	.08	2.0
16...	0710	--	--	--	--	--	--	--	--	2.3
07287150 - YAZOO RIVER AT HOLMES CREEK NW GREENWOOD, MISS. (LAT 33 29 00 LONG 090 12 00)										
MAY , 1974										
15...	1200	.72	.07	.52	.60	1.0	5.0	.28	.08	1.8
15...	1800	.79	.08	.48	.56	1.0	5.0	.28	.08	2.0
15...	2300	.79	.08	.48	.56	1.0	5.0	.28	.08	2.0
16...	0500	.80	.08	.52	.60	1.0	5.0	.28	.08	2.0
16...	1000	--	--	--	--	--	--	--	--	1.8

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

GREENWOOD AREA.--Continued

DATE	TIME	TOTAL RESI-DUE (MG/L)	LOSS ON IGNI-TION (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
07241410 -TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD, MS (LAT 33 31 58 LONG 090 14 17)							
MAY 1974							
15..	1310	468	50	40	23	401	8030
07241415 - TALLAHATCHIE RIVER AT GREENWOOD, MISS. (LAT 33 32 22 LONG 090 11 37)							
MAY 1974							
15..	1330	1480	91	--	--	83	117
07241610 -TALLAHATCHIE R AB YALOBUSHA R AT GREENWOOD, MISS (LAT 33 33 03 LONG 090 10 55)							
MAY 1974							
15..	1315	414	41	--	--	92	129
07280600- YALOBUSHA R AT BIG SAND C NR GREENWOOD, MISS. (LAT 33 33 43 LONG 090 10 04)							
MAY 1974							
15..	1305	559	34	24	40	383	1020
07280650 BIG SAND CREEK AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 40 LONG 090 10 02)							
MAY 1974							
15..	1300	480	50	10	8.0	342	40
07280650 YALOBUSHA RIVER AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 12 LONG 090 10 51)							
MAY 1974							
15..	1245	459	25	56	99	302	840
07280650 TAZOO R TO AB GRENADA JCT NR GREENWOOD, MISS. (LAT 33 32 40 LONG 090 10 03)							
MAY 1974							
15..	1235	377	55	29	26	130	--
07280650- TAZOO R AB GRENADA JCT NR GREENWOOD, MISS. (LAT 33 31 20 LONG 090 10 23)							
MAY 1974							
15..	1220	263	20	16	23	148	623
07280800 TAZOO RIVER AT USHY BRIDGE AT GREENWOOD, MISS. (LAT 33 31 00 LONG 090 12 12)							
MAY 1974							
15..	1400	210	20	42	71	157	657
07280850 EFFLUENT CHAMBER AT FLEC PLANT AT GREENWOOD, MISS. (LAT 33 31 11 LONG 090 12 31)							
MAY 1974							
15..	1455	220	49	21	41	150	9.2
07280900 TAZOO R AB PEMBERTON CUT NR GREENWOOD, MISS. (LAT 33 31 30 LONG 090 14 10)							
MAY 1974							
15..	1345	394	44	31	30	128	638
07281000 - TAZOO RIVER AT FORT LORAMIE, MISS. (LAT 33 30 32 LONG 090 15 02)							
MAY 1974							
15..	1315	313	44	41	42	247	9710
07281050 TAZOO R AB GREENWOOD LA PLANT PLANT NR GREENWOOD, MS (LAT 33 29 55 LONG 090 13 44)							
MAY 1974							
15..	1300	504	42	--	--	302	6410
07281100 TAZOO RIVER AB PELLICER CREEK NR GREENWOOD, MISS. (LAT 33 27 40 LONG 090 13 21)							
MAY 1974							
15..	1200	400	44	10	4.0	250	7000
07281150 PELLICER CREEK AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 27 40 LONG 090 13 20)							
MAY 1974							
15..	1200	317	20	24	17	108	10
07281200 - TAZOO RIVER AT GREENWOOD, MISS. (LAT 33 26 30 LONG 090 14 00)							
MAY 1974							
15..	1045	400	40	--	--	4.0	10000

GREENWOOD AREA.--Continued

DATE	TIME	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)
07281810 - TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD, MS (LAT 33 31 58 LONG 090 14 17)											
MAY , 1974 15...	1310	.00	.0	.0	0	.00	9.6	.00	2.3	.00	6.1
07286965 - YALOBUSHA RIVER AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 12 LONG 090 10 51)											
MAY , 1974 15...	1245	.00	.0	.0	0	.00	1.9	.00	.2	.00	2.7
07287005 - YAZOO R AB PEMBERTON CUT NR GREENWOOD, MISS. (LAT 33 31 38 LONG 090 14 10)											
MAY , 1974 15...	1245	.00	.0	.0	0	.00	28	.00	1.3	.00	9.4
07287115 - YAZOO RIVER AT ROEBUCK, MISS. (LAT 33 26 39 LONG 090 14 00)											
MAY , 1974 15...	1405	.00	.0	.0	0	.00	17	.00	6.7	.00	.0

DATE	TIME	DI-AZINON (UG/L)	DI-AZINON IN BOTTOM DE-POSITS (UG/KG)	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	ETHION (UG/L)	ETHION IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)
07281810 - TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD, MS (LAT 33 31 58 LONG 090 14 17)											
MAY , 1974 15...	1310	.00	.0	.00	.1	.00	.0	.00	.0	.00	.0
07286965 - YALOBUSHA RIVER AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 12 LONG 090 10 51)											
MAY , 1974 15...	1245	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
07287005 - YAZOO R AB PEMBERTON CUT NR GREENWOOD, MISS. (LAT 33 31 38 LONG 090 14 10)											
MAY , 1974 15...	1245	.00	.0	.00	.3	.00	.0	.00	.0	.00	.0
07287115 - YAZOO RIVER AT ROEBUCK, MISS. (LAT 33 26 39 LONG 090 14 00)											
MAY , 1974 15...	1405	.00	.0	.00	.2	.00	.0	.00	.0	.00	.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

GREENWOOD AREA.--Continued

DATE	TIME	PARA-THION (UG/L)	PARA-THION IN BOTTOM DE-POSITS (UG/KG)	PCB (UG/L)	PCB IN BOTTOM DE-POSITS (UG/KG)	TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM DE-POSITS (UG/KG)	TRI-THION (UG/L)	TRI-THION IN BOTTOM DE-POSITS (UG/KG)	2,4-D (UG/L)	2,4-D IN BOTTOM DE-POSITS (UG/KG)
07281610 - TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD, MS (LAT 33 31 58 LONG 090 14 17)											
MAY , 1974											
15...	1310	.00	.0	.0	0	0	0	.00	.0	--	0
07286965 - YALOBUSHA RIVER AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 12 LONG 090 10 51)											
MAY , 1974											
15...	1245	.00	.0	.0	0	0	0	.00	.0	.00	0
07287005 - YAZOO R AB PEMBERTON CUT NR GREENWOOD, MISS. (LAT 33 31 38 LONG 090 14 10)											
MAY , 1974											
15...	1245	.00	.0	.0	0	0	0	.00	.0	.00	0
07287115 - YAZOO RIVER AT ROEBUCK, MISS. (LAT 33 26 39 LONG 090 14 00)											
MAY , 1974											
15...	1405	.00	.0	.0	0	0	0	.00	.0	.00	0

DATE	TIME	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE-POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE-POSITS (UG/KG)
07281610 - TALLAHATCHIE R AB PEMBERTON CUT NR GREENWOOD, MS (LAT 33 31 58 LONG 090 14 17)					
MAY , 1974					
15...	1310	--	0	--	0
07286965 - YALOBUSHA RIVER AT MOUTH NEAR GREENWOOD, MISS. (LAT 33 33 12 LONG 090 10 51)					
MAY , 1974					
15...	1245	.00	0	.00	0
07287005 - YAZOO R AB PEMBERTON CUT NR GREENWOOD, MISS. (LAT 33 31 38 LONG 090 14 10)					
MAY , 1974					
15...	1245	.01	0	.00	0
07287115 - YAZOO RIVER AT ROEBUCK, MISS. (LAT 33 26 39 LONG 090 14 00)					
MAY , 1974					
15...	1405	.00	0	.00	0

CLARKSDALE AREA

An intensive study of the quality of surface waters in the Clarksdale area was conducted July 29 to Aug. 2, 1974. Samples were obtained at 10 sites on the Sunflower River and its tributaries. Listed below are site locations and results of laboratory analyses and field determinations of water quality during the study.

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
07288000 - BIG SUNFLOWER RIVER AT CLARKSDALE, MISS. (LAT 34 11 50 LONG 090 34 30)					
JULY, 1974					
31...	0620	360	7.3	26.6	4.4
31...	0915	400	7.4	25.8	3.7
31...	1215	350	7.3	26.4	4.0
31...	1515	370	7.3	27.0	3.4
31...	1830	400	7.3	27.2	3.1
31...	2115	400	7.4	27.0	3.3
AUG.					
01...	0020	400	7.4	26.0	3.4
01...	0320	370	7.3	26.0	3.1
07288003 - SEWAGE DISPOSAL DITCH NEAR CLARKSDALE, MISS. (LAT 34 11 04 LONG 090 34 28)					
JULY, 1974					
31...	0650	800	7.3	--	--
31...	0930	800	7.3	--	--
31...	1200	800	7.3	--	--
31...	1500	800	7.5	--	--
31...	1800	800	7.5	--	--
31...	2105	800	7.5	--	--
AUG.					
01...	0005	800	7.5	--	--
01...	0310	800	7.4	--	--

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

CLARKSDALE AREA.--Continued

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
07249010 - BIG SUNFLOWER RIVER AT HOPSON SPUR, MISS. (LAT 34 09 24 LONG 090 32 58)					
JULY, 1974					
30...	0600	--	--	26.9	3.6
30...	0700	--	--	26.9	3.5
30...	0800	--	--	27.0	3.4
30...	0900	--	--	27.1	3.4
30...	1000	--	--	27.0	3.3
30...	1100	--	--	27.4	2.7
30...	1200	--	--	27.4	2.7
30...	1300	--	--	27.5	1.8
30...	1400	--	--	27.8	1.9
30...	1500	--	--	28.0	1.9
30...	1600	--	--	28.2	2.3
30...	1700	--	--	28.6	2.9
30...	1800	--	--	29.0	2.9
30...	1900	--	--	29.0	3.1
30...	2000	--	--	29.0	3.3
30...	2100	--	--	28.6	2.8
30...	2200	--	--	28.3	2.1
30...	2300	--	--	28.0	2.0
30...	2400	--	--	27.8	2.1
31...	0100	--	--	27.8	2.1
31...	0200	--	--	27.8	2.2
31...	0300	--	--	27.2	2.5
31...	0400	--	--	27.0	2.6
31...	0500	--	--	27.0	2.7
31...	0700	450	7.2	26.2	3.6
31...	0800	--	--	26.4	3.3
31...	0900	440	7.3	26.6	3.3
31...	1000	--	--	26.6	3.4
31...	1100	--	--	26.6	3.5
31...	1200	440	7.3	26.6	3.4
31...	1310	--	--	28.2	3.6
31...	1415	--	--	28.2	3.9
31...	1445	420	7.3	28.8	3.9
31...	1600	--	--	28.8	4.0
31...	1700	--	--	29.0	4.2
31...	1740	450	7.4	29.0	4.2
31...	1900	--	--	29.0	4.1
31...	2000	--	--	28.8	3.9
31...	2100	500	7.3	28.4	3.8
31...	2230	--	--	28.0	3.9
31...	2300	--	--	28.0	3.6
31...	2400	500	7.4	28.0	3.5
AUG.					
01...	0130	--	--	27.1	3.6
01...	0200	--	--	27.1	3.1
01...	0300	500	7.4	27.1	3.0
01...	0430	--	--	26.9	3.0
01...	0500	--	--	26.6	2.8
01...	0600	--	--	26.6	2.7
01...	0715	--	--	25.6	2.8
01...	0800	--	--	25.8	2.7
01...	0900	--	--	25.8	2.8
01...	1000	--	--	25.8	2.8
01...	1105	--	--	26.0	2.9
01...	1200	--	--	26.6	3.1
01...	1300	--	--	27.2	3.2
01...	1355	--	--	28.0	3.5
01...	1405	--	--	28.6	3.9
01...	1605	--	--	29.0	4.0
01...	1705	--	--	29.2	4.0
01...	1800	--	--	29.6	4.1
01...	1900	--	--	29.6	4.0
01...	2000	--	--	29.2	3.9
01...	2100	--	--	29.0	3.9
01...	2200	--	--	29.0	3.7
01...	2300	--	--	29.0	3.6
01...	2400	--	--	29.0	3.5
07249020 - BIG SUNFLOWER RIVER NEAR MATTSON, MISS. (LAT 34 08 00 LONG 090 33 57)					
JULY, 1974					
31...	0700	400	7.2	27.0	3.4
31...	0800	380	7.2	27.0	3.3
31...	0900	380	7.4	28.6	4.7
31...	1000	380	7.5	28.6	4.6
31...	1100	370	7.6	28.6	3.2
31...	1200	370	7.6	28.6	3.7
AUG.					
01...	0100	400	7.3	27.0	3.4
01...	0200	380	7.3	27.0	3.2

CLARKSDALE AREA.--Continued

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
07288070 - HARRIS BAYOU NEAR COUNTS, MISS. (LAT 34 05 06 LONG 090 34 54)					
JULY, 1974					
31...	0735	330	7.5	26.0	5.8
31...	0900	330	7.6	26.0	5.9
31...	1315	330	7.5	26.0	6.1
31...	1540	330	7.5	26.5	6.1
31...	1630	350	7.6	27.0	5.9
31...	2155	350	7.6	26.5	5.6
AUG.					
01...	0050	350	7.6	26.2	5.6
01...	0400	350	7.6	25.5	5.4
07288080 - BIG SUNFLOWER RIVER AT HARVEYS CHAPEL, MISS. (LAT 34 03 52 LONG 090 35 22)					
JULY, 1974					
31...	0715	300	7.4	27.0	4.2
31...	0945	300	7.4	27.0	4.2
31...	1250	300	7.4	27.0	4.2
31...	1510	300	7.4	27.5	4.0
31...	1610	300	7.4	28.0	4.1
31...	2140	320	7.4	27.9	3.8
AUG.					
01...	0040	320	7.4	27.0	4.0
01...	0340	330	7.4	26.3	3.9
07288095 - BIG SUNFLOWER RIVER NEAR ROUNDAWAY, MISS. (LAT 34 01 05 LONG 090 38 18)					
JULY, 1974					
30...	0645	--	--	29.0	4.3
30...	0700	--	--	29.0	4.3
30...	0800	--	--	29.0	4.4
30...	0900	--	--	28.5	4.1
30...	1000	--	--	28.5	4.3
30...	1100	--	--	28.5	4.2
30...	1200	--	--	29.0	4.3
30...	1300	--	--	28.5	4.4
30...	1400	--	--	29.0	4.4
30...	1500	--	--	29.0	4.2
30...	1600	--	--	29.0	4.3
30...	1700	--	--	29.0	4.4
30...	1800	--	--	29.0	4.4
30...	1900	--	--	29.0	4.4
30...	2000	--	--	29.0	4.4
30...	2100	--	--	29.0	4.4
30...	2200	--	--	29.0	4.4
30...	2230	--	--	29.0	4.4
30...	2300	--	--	29.0	4.4
30...	2400	--	--	28.5	4.4
31...	0100	--	--	28.5	4.4
31...	0200	--	--	28.5	4.4
31...	0300	--	--	28.0	4.4
31...	0400	--	--	28.0	4.4
31...	0500	--	--	28.0	4.4
31...	0600	300	7.4	--	4.5
31...	0810	300	7.4	28.0	4.7
31...	1000	--	--	27.0	4.6
31...	1100	--	--	27.0	4.6
31...	1200	300	7.4	27.0	4.5
31...	1300	--	--	27.0	4.5
31...	1430	--	--	28.0	4.7
31...	1500	300	7.5	28.0	4.7
31...	1600	--	--	28.0	4.6
31...	1700	--	--	28.0	4.6
31...	1800	310	7.6	28.0	4.5
31...	1900	--	--	28.0	4.5
31...	2000	--	--	28.0	4.5
31...	2100	320	7.5	28.0	4.2
31...	2200	--	--	28.0	4.2
31...	2300	--	--	28.0	4.2
31...	2400	320	7.5	28.0	4.2
AUG.					
01...	0100	--	--	28.0	4.1
01...	0200	--	--	27.5	3.9
01...	0300	320	7.5	27.5	3.9
01...	0400	--	--	27.5	3.9
01...	0500	--	--	27.5	3.9
01...	0600	--	--	27.5	3.9
01...	0700	--	--	27.5	3.9
01...	0800	--	--	27.5	3.9
01...	0900	--	--	27.5	3.9
01...	1000	--	--	27.5	3.9
01...	1100	--	--	27.5	3.9
01...	1200	--	--	27.5	3.9
01...	1300	--	--	27.5	3.9
01...	1400	--	--	27.5	3.9
01...	1500	--	--	27.5	3.9
01...	1600	--	--	27.5	3.9
01...	1700	--	--	27.5	3.9
01...	1800	--	--	27.5	3.9
01...	1900	--	--	27.5	3.9
01...	2000	--	--	27.5	3.9
01...	2100	--	--	27.5	3.9
01...	2200	--	--	27.5	3.9
01...	2300	--	--	27.5	3.9
01...	2400	--	--	27.5	3.9
02...	0100	--	--	27.5	3.9
02...	0200	--	--	27.5	3.9
02...	0300	--	--	27.5	3.9
02...	0400	--	--	27.5	3.9
02...	0500	--	--	27.5	3.9
02...	0600	--	--	27.5	3.9
02...	0700	--	--	27.5	3.9
02...	0800	--	--	27.5	3.9
02...	0900	--	--	27.5	3.9
02...	1000	--	--	27.5	3.9
02...	1100	--	--	27.5	3.9
02...	1200	--	--	27.5	3.9
02...	1300	--	--	27.5	3.9
02...	1400	--	--	27.5	3.9
02...	1500	--	--	27.5	3.9
02...	1600	--	--	27.5	3.9
02...	1700	--	--	27.5	3.9
02...	1800	--	--	27.5	3.9
02...	1900	--	--	27.5	3.9
02...	2000	--	--	27.5	3.9
02...	2100	--	--	27.5	3.9
02...	2200	--	--	27.5	3.9
02...	2300	--	--	27.5	3.9
02...	2400	--	--	27.5	3.9

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

CLARKSDALE AREA.--Continued

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)
07288170 - HUSHPUCKENA RIVER NEAR BALTZER, MISS. (LAT 33 58 18 LONG 090 40 20)					
JULY, 1974					
31...	0640	310	7.5	27.0	5.5
31...	0910	310	7.5	27.0	4.7
31...	1305	330	7.5	27.5	5.0
31...	1545	330	7.5	29.0	4.3
31...	2015	290	7.5	28.0	5.1
31...	2300	280	7.5	28.0	5.4
AUG.					
01...	0135	300	7.5	27.0	5.4
01...	0405	280	7.5	26.5	5.3
07288185 - BLACK BAYOU AT BALTZER, MISS. (LAT 33 59 00 LONG 090 35 39)					
JULY, 1974					
31...	0700	400	8.0	26.0	4.9
31...	1010	400	8.0	26.0	5.1
31...	1215	400	8.4	26.0	6.1
31...	1515	400	8.6	26.0	13.5
31...	1815	400	8.7	27.0	17.0
31...	2045	440	8.6	28.0	13.3
31...	2345	440	8.3	27.0	7.4
AUG.					
01...	0245	440	8.0	26.0	4.7
07288190 - BIG SUNFLOWER RIVER NEAR BALTZER, MISS. (LAT 33 57 04 LONG 090 37 38)					
JULY, 1974					
31...	0730	330	7.2	28.0	5.0
31...	0945	330	7.3	27.5	4.9
31...	1330	330	7.3	28.0	4.9
31...	1620	330	7.3	29.0	5.0
31...	2040	310	7.5	28.5	5.7
31...	2320	310	7.6	28.0	5.8
AUG.					
01...	0155	310	7.6	28.0	5.7
01...	0425	310	7.6	28.0	5.5
07288200 - BIG SUNFLOWER RIVER NEAR LONGANDY, MISS. (LAT 33 52 54 LONG 090 36 38)					
JULY, 1974					
31...	0755	340	7.4	28.0	4.3
31...	1045	340	7.4	27.0	4.3
31...	1400	340	7.3	29.0	4.5
31...	1700	340	7.4	29.0	4.8
31...	2100	340	7.5	28.0	5.4
31...	2340	350	7.5	28.0	5.3
AUG.					
01...	0210	350	7.5	28.0	5.2
01...	0450	350	7.5	28.0	5.0

CLARKSDALE AREA.--Continued

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
07288000 - BIG SUNFLOWER RIVER AT CLARKSDALE, MISS. (LAT 34 11 50 LONG 090 34 30)									
JULY, 1974									
31-31	.35	.40	.80	1.0	1.4	6.0	.33	.17	3.5
AUG.									
01-01	.35	.40	.80	1.0	1.4	6.0	.33	.17	3.5
07288003 - SEWAGE DISPOSAL DITCH NEAR CLARKSDALE, MISS. (LAT 34 11 04 LONG 090 34 28)									
JULY, 1974									
31-31	1.2	13	4.0	17	18	81	4.5	8.2	5.5
AUG.									
01-01	1.2	13	4.0	17	18	81	4.5	8.2	5.5
07288010 - BIG SUNFLOWER RIVER AT HOPSON SPUR, MISS. (LAT 34 09 24 LONG 090 32 58)									
JULY, 1974									
31-31	.38	1.0	1.1	2.1	2.5	11	.55	.42	2.5
AUG.									
01-01	.38	1.0	1.1	2.1	2.5	11	.55	.42	2.5
07288036 - BIG SUNFLOWER RIVER NEAR MATTSON, MISS. (LAT 34 06 08 LONG 090 33 57)									
JULY, 1974									
31-31	.73	.91	.99	1.9	2.6	12	.37	.18	4.8
AUG.									
01-01	.73	.91	.99	1.9	2.6	12	.37	.18	4.8
07288070 - HARRIS BAYOU NEAR COUNTS, MISS. (LAT 34 05 06 LONG 090 34 54)									
JULY, 1974									
31-31	.94	.92	2.2	3.1	4.0	18	.25	.14	7.3
AUG.									
01-01	.94	.92	2.2	3.1	4.0	18	.25	.14	7.3
07288090 - BIG SUNFLOWER RIVER AT HARVEYS CHAPEL, MISS. (LAT 34 03 52 LONG 090 35 22)									
JULY, 1974									
31-31	1.1	.66	1.5	2.2	3.3	15	.13	.15	5.7
AUG.									
01-01	1.1	.66	1.5	2.2	3.3	15	.13	.15	5.7
07288095 - BIG SUNFLOWER RIVER NEAR HOUNDSBAY, MISS. (LAT 34 01 05 LONG 090 38 18)									
JULY, 1974									
31-31	1.1	.66	.86	1.5	2.6	12	.15	.17	2.6
AUG.									
01-01	1.1	.66	.86	1.5	2.6	12	.15	.17	2.6
07288170 - HUSHPUCKENA RIVER NEAR BALTZER, MISS. (LAT 33 58 18 LONG 090 40 20)									
JULY, 1974									
31-31	.44	.11	.89	1.0	1.4	6.4	.29	.10	3.6
AUG.									
01-01	.44	.11	.89	1.0	1.4	6.4	.29	.10	3.6
07288185 - ALMER BAYOU AT BALTZER, MISS. (LAT 33 59 30 LONG 090 39 39)									
JULY, 1974									
31-31	.39	.15	1.8	1.9	2.3	10	.38	.22	8.2
AUG.									
01-01	.39	.15	1.8	1.9	2.3	10	.38	.22	8.2
07288190 - BIG SUNFLOWER RIVER NEAR BALTZER, MISS. (LAT 33 57 04 LONG 090 37 38)									
JULY, 1974									
31-31	.93	.14	.73	.87	1.6	8.0	.09	.12	2.0
AUG.									
01-01	.93	.14	.73	.87	1.6	8.0	.09	.12	2.0
07288200 - BIG SUNFLOWER RIVER NEAR LONGWOOD, MISS. (LAT 33 52 04 LONG 090 36 38)									
JULY, 1974									
31-31	1.0	.11	1.2	1.4	2.4	9.7	.09	.09	3.1
AUG.									
01-01	1.0	.11	1.2	1.4	2.4	9.7	.09	.09	3.1

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

CLEVELAND AREA

An intensive study of the quality of surface waters in the Cleveland area was conducted Sept. 16-20, 1974. Samples were obtained at nine sites on Lead Bayou and its tributaries. Listed below are site locations and results of laboratory analyses and field determinations of water quality during the study.

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
07288355 - LEAD BAYOU NEAR RENOVA, MISS. (LAT 33 46 36 LONG 090 41 58)						
SEP., 1974						
18...	0620	.43	1050	4.2	20.5	4.9
18...	0900	.43	775	4.4	20.5	5.6
18...	1235	.43	750	4.2	25.0	5.9
18...	1505	.43	700	4.2	27.5	6.6
18...	1810	.43	560	4.3	27.0	7.2
18...	2105	.43	560	5.0	25.5	5.1
19...	0005	.43	550	5.2	24.0	5.0
19...	0245	.43	550	5.5	22.0	4.9
07288357 - LEAD BAYOU NEAR CLEVELAND, MISS. (LAT 33 43 58 LONG 090 40 36)						
SEP., 1974						
18...	0630	.55	240	6.6	20.0	1.5
18...	0910	.55	240	6.8	19.5	1.5
18...	1210	.54	240	6.9	21.5	2.2
18...	1520	.53	240	6.8	23.0	2.4
18...	1815	.52	240	6.6	23.5	1.8
18...	2120	.52	240	6.9	23.0	1.3
19...	0020	.52	240	6.7	22.0	1.1
19...	0320	.52	240	6.7	21.0	1.1
07288359 - SEWAGE DISPOSAL DITCH NEAR RENOVA, MISS. (LAT 33 45 43 LONG 090 42 57)						
SEP., 1974						
18...	0710	2.4	1500	7.0	26.5	.3
18...	0945	2.5	1450	8.3	28.0	.4
18...	1305	2.7	1400	9.0	30.5	.2
18...	1535	2.8	1400	9.0	31.0	.3
18...	1840	2.7	1550	9.1	29.0	.3
18...	2135	2.6	1600	9.0	28.0	.2
19...	0045	2.6	1650	8.6	27.5	.3
19...	0325	2.6	1300	8.6	27.0	.2
07288360 - SEWAGE DISPOSAL DITCH AT CLEVELAND, MISS. (LAT 33 45 43 LONG 090 42 48)						
SEP., 1974						
18...	0645	3.5	1200	5.8	26.5	.7
18...	0920	3.4	1250	5.5	26.0	.7
18...	1250	3.3	1290	6.1	31.5	.4
18...	1520	3.3	1400	6.2	29.5	.4
18...	1830	3.5	1000	6.6	28.5	.5
18...	2120	3.3	1300	6.6	27.0	.2
19...	0025	3.4	1250	6.6	27.0	.2
19...	0300	3.4	1050	6.7	26.0	.3

CLEVELAND AREA.--Continued

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
07294342 - LEAD BAYOU TRIBUTARY NO. 1 NEAR CLEVELAND, MISS. (LAT 33 43 58 LONG 090 41 48)						
SEP., 1974						
17...	0600	4.2	--	--	23.0	.2
17...	0650	4.2	--	--	23.0	.2
17...	0800	4.2	--	--	22.0	.2
17...	0905	4.2	--	--	23.0	.2
17...	0955	4.2	--	--	23.0	.2
17...	1105	4.2	--	--	23.0	.2
17...	1210	4.2	--	--	24.0	.3
17...	1310	4.4	--	--	24.5	.3
17...	1405	4.2	--	--	24.5	.3
17...	1505	4.4	--	--	25.0	.3
17...	1605	4.3	--	--	25.0	.3
17...	1715	4.6	--	--	25.0	.3
17...	1815	4.2	--	--	25.5	.2
17...	1910	4.2	--	--	26.0	.3
17...	2020	4.2	--	--	26.0	.3
17...	2120	4.1	--	--	25.0	.3
17...	2215	4.3	--	--	25.0	1.3
17...	2310	4.3	--	--	25.0	1.6
18...	0010	4.5	--	--	25.0	1.5
18...	0055	4.8	--	--	28.0	1.1
18...	0150	4.6	--	--	24.5	1.0
18...	0300	4.6	--	--	24.5	.1
18...	0350	4.9	--	--	24.5	.1
18...	0505	4.5	--	--	24.0	.3
18...	0620	4.4	980	5.8	23.0	.1
18...	0700	4.5	--	--	23.0	.2
18...	0800	4.4	--	--	23.0	.2
18...	0900	4.4	950	6.1	22.5	.2
18...	1000	4.5	--	--	22.5	.2
18...	1100	4.5	--	--	23.0	.2
18...	1200	4.5	980	6.1	24.0	.2
18...	1305	4.2	--	--	24.5	.7
18...	1410	4.2	--	--	25.2	.2
18...	1505	4.3	1100	3.1	25.0	.7
18...	1600	4.4	--	--	26.0	.2
18...	1700	4.5	--	--	26.0	.2
18...	1805	4.3	825	5.1	26.5	.2
18...	1905	4.2	--	--	26.5	.1
18...	2000	4.2	--	--	26.5	.2
18...	2130	4.3	1050	6.0	26.0	.2
18...	2210	4.3	--	--	26.0	.2
18...	2310	4.4	--	--	26.0	.2
19...	0030	4.4	1050	6.2	26.0	.2
19...	0110	4.4	--	--	26.0	.2
19...	0205	4.4	--	--	25.5	.2
19...	0330	4.4	1100	6.5	25.0	.2
19...	0400	4.4	--	--	25.0	.2
19...	0510	4.3	--	--	24.0	.2
19...	0610	4.4	--	--	24.0	.2
19...	0700	4.3	--	--	23.5	.2
19...	0800	4.4	--	--	23.5	.2
19...	0900	4.3	--	--	23.0	.2
19...	1000	4.2	--	--	23.5	.2
19...	1115	4.2	--	--	24.0	.2
19...	1200	4.2	--	--	25.0	.2
19...	1310	4.2	--	--	25.5	.2
19...	1405	4.2	--	--	26.0	.1
19...	1555	4.2	--	--	26.5	.2
19...	1655	4.2	--	--	27.0	.1
19...	1700	4.2	--	--	27.5	2.3
19...	1750	4.2	--	--	27.5	1.6
19...	1905	4.2	--	--	27.5	.1
19...	2010	4.2	--	--	27.0	.1
19...	2110	4.2	--	--	27.0	.1
19...	2205	4.2	--	--	27.5	1.0
19...	2310	4.2	--	--	27.5	2.2
19...	2405	4.2	--	--	26.5	2.2
07294344 - LEAD BAYOU TRIBUTARY NO. 2 NEAR BOYLE, MISS. (LAT 33 43 25 LONG 090 40 40)						
SEP., 1974						
19...	0700	4.0	800	4.2	22.0	.1
19...	1010	4.0	800	4.1	24.0	2.1
19...	1100	4.1	800	4.3	24.5	.5
19...	1205	4.1	750	4.3	25.0	.4
19...	1300	4.1	800	4.1	26.0	.3
19...	1400	4.1	800	4.4	26.0	.3
19...	1510	4.0	1000	4.4	26.5	.3
19...	1610	4.0	900	4.4	27.0	.3
19...	1705	4.0	900	4.4	27.5	.3
07294346 - LEAD BAYOU TRIBUTARY NO. 3 NEAR BOYLE, MISS. (LAT 33 43 25 LONG 090 40 40)						
SEP., 1974						
19...	0800	4.0	100	4.4	22.0	2.0
19...	1010	4.0	100	4.4	24.0	2.0
19...	1100	4.0	100	4.4	24.5	2.0
19...	1200	4.0	100	4.4	25.0	2.0
19...	1300	4.0	100	4.4	26.0	2.0
19...	1400	4.0	100	4.4	26.0	2.0
19...	1510	4.0	100	4.4	26.5	2.0
19...	1610	4.0	100	4.4	27.0	2.0
19...	1705	4.0	100	4.4	27.5	2.0

ANALYSES OF SAMPLES COLLECTED DURING SHORT-TERM INTENSIVE STUDIES

CLARKSDALE AREA.--Continued

DATE	TIME	INSTAN-TANEOUS DIS-CHARGE (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)
07288365 - LEAD BAYOU NEAR BOYLE, MISS. (LAT 33 43 07 LONG 090 38 36)						
SEP., 1974						
17...	0620	15	--	--	21.8	2.5
17...	0705	15	--	--	21.4	2.3
17...	0815	15	--	--	21.0	2.4
17...	0855	15	--	--	22.0	2.5
17...	1010	14	--	--	22.0	2.2
17...	1055	14	--	--	22.0	2.3
17...	1150	14	--	--	22.5	2.6
17...	1255	13	--	--	22.5	2.8
17...	1350	13	--	--	22.5	3.1
17...	1450	13	--	--	23.0	3.1
17...	1550	12	--	--	23.0	3.3
17...	1700	12	--	--	23.0	2.9
17...	1800	11	--	--	23.0	2.7
17...	1900	10	--	--	23.0	2.7
17...	2005	10	--	--	23.5	2.9
17...	2100	10	--	--	23.5	3.6
17...	2205	10	--	--	23.0	3.9
17...	2300	10	--	--	23.0	4.0
17...	2350	10	--	--	23.0	3.4
18...	0130	10	--	--	23.0	1.2
18...	0210	10	--	--	23.0	.6
18...	0250	10	--	--	23.0	.5
18...	0410	10	--	--	22.5	.8
18...	0450	10	--	--	22.3	.9
18...	0610	10	500	6.7	22.2	.9
18...	0700	9.8	--	--	22.0	.9
18...	0800	9.8	--	--	22.0	1.0
18...	0900	9.5	600	6.7	21.9	.8
18...	1000	9.5	--	--	21.9	.9
18...	1100	9.5	--	--	21.9	1.1
18...	1200	9.5	500	6.6	22.0	1.0
18...	1315	9.2	--	--	22.3	1.2
18...	1400	9.0	--	--	22.3	1.2
18...	1500	9.0	600	6.5	22.7	1.3
18...	1600	8.8	--	--	23.0	1.3
18...	1700	8.5	--	--	23.0	1.2
18...	1800	8.5	600	6.7	23.0	.9
18...	1905	8.3	--	--	23.0	.7
18...	2000	8.1	--	--	23.0	.6
18...	2110	7.9	--	--	23.0	.7
18...	2200	8.3	--	--	23.0	.7
18...	2300	8.3	--	--	23.0	.6
19...	0010	8.3	700	6.8	23.0	.6
19...	0105	8.3	--	--	23.0	.6
19...	0155	8.3	--	--	23.0	.6
19...	0300	8.3	700	6.5	23.0	.5
19...	0350	8.3	--	--	23.0	.5
19...	0500	8.3	--	--	23.0	.5
19...	0600	8.1	--	--	23.0	.5
19...	0700	8.0	--	--	23.0	.5
19...	0815	8.1	--	--	23.0	.6
19...	0900	7.8	--	--	23.0	.3
19...	1015	7.8	--	--	23.0	.6
19...	1100	7.8	--	--	23.0	.6
19...	1200	7.8	--	--	23.0	.6
19...	1300	8.7	--	--	23.0	.5
19...	1400	8.7	--	--	23.0	.5
19...	1500	8.5	--	--	23.0	.5
19...	1600	8.2	--	--	23.0	.5
19...	1700	8.2	--	--	23.0	.5
19...	1800	8.2	--	--	23.0	.5
19...	1900	8.2	--	--	23.0	.5
19...	2000	8.2	--	--	23.0	.5
19...	2100	8.7	--	--	23.0	.5
19...	2200	8.7	--	--	23.0	.5
19...	2300	8.7	--	--	23.0	.5
19...	2400	8.7	--	--	23.0	.5
[illegible] - [illegible] BAYOU NEAR MARKSVILLE, MISS. (LAT [illegible] LONG [illegible])						
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CLEVELAND AREA.--Continued

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
07288355 - LEAD BAYOU NEAR RENOVA, MISS. (LAT 33 46 36 LONG 090 41 58)									
SEP., 1974 18-19	.01	.40	.51	.91	.92	4.1	.13	.04	2.7
07288357 - LEAD BAYOU NEAR CLEVELAND, MISS. (LAT 33 43 58 LONG 090 40 36)									
SEP., 1974 18-19	.01	.01	.53	.54	.55	2.4	.37	.31	1.8
07288359 - SEWAGE DISPOSAL DITCH NEAR RENOVA, MISS. (LAT 33 45 43 LONG 090 42 57)									
SEP., 1974 18-19	.00	.00	2.9	2.9	2.9	13	1.4	.89	42
07288360 - SEWAGE DISPOSAL DITCH AT CLEVELAND, MISS. (LAT 33 45 43 LONG 090 42 40)									
SEP., 1974 18-19	.96	1.2	2.2	3.4	4.4	19	68	67	34
07288362 - LEAD BAYOU TRIBUTARY NO. 1 NEAR CLEVELAND, MISS. (LAT 33 43 58 LONG 090 41 48)									
SEP., 1974 18-19	2.4	.00	2.5	2.5	4.9	22	52	49	31
07288363 - LEAD BAYOU TRIBUTARY NO. 1 NEAR BOYLE, MISS. (LAT 33 43 05 LONG 090 40 48)									
SEP., 1974 18-19	.46	.77	3.1	3.9	4.4	19	20	18	12
07288364 - LEAD BAYOU TRIBUTARY NO. 2 NEAR BOYLE, MISS. (LAT 33 42 14 LONG 090 40 42)									
SEP., 1974 18-19	.12	.25	.85	1.1	1.2	5.4	.35	.26	2.6
07288365 - LEAD BAYOU NEAR BOYLE, MISS. (LAT 33 43 07 LONG 090 38 34)									
SEP., 1974 18-19	.14	.85	2.2	3.0	3.1	14	17	15	13
07288366 - HORSESHOE BAYOU NEAR RULEVILLE, MISS. (LAT 33 43 02 LONG 090 35 57)									
SEP., 1974 18-19	.82	1.1	.60	1.7	2.5	11	14	.98	7.8

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